

Interconnect Solutions Worldwide



HARSH ENVIRONMENT RJ45 CONNECTORS

High Reliability RJ45 Connector Systems for Harsh Environments

The Polamco high speed RJ45 connector systems incorporates a MIL-DTL-38999 and 26482 series III derived metal shell with full 360 degree EMC and mechanical protection and have been designed to meet the requirements of high speed data connections where reliability through environmental sealing and full mechanical protection are required.

Key Features

- Aluminium, Marine Bronze and Stainless Steel shells for various applications
- Sealed to IP 68 for fluid and dust laden environments
- High levels of shock, vibration and mechanical impact protection
- MIL spec 38999 and 26482 derived polarized shell, with fast and secure coupling

Polamco Receptacles

- Pre-assembled one piece design for harsh environments
- Internal grounding fingers ensures excellent continuity
- Isolated (non-grounded) option available
- Rear jack contained within receptacle shell
- No assembly tooling required

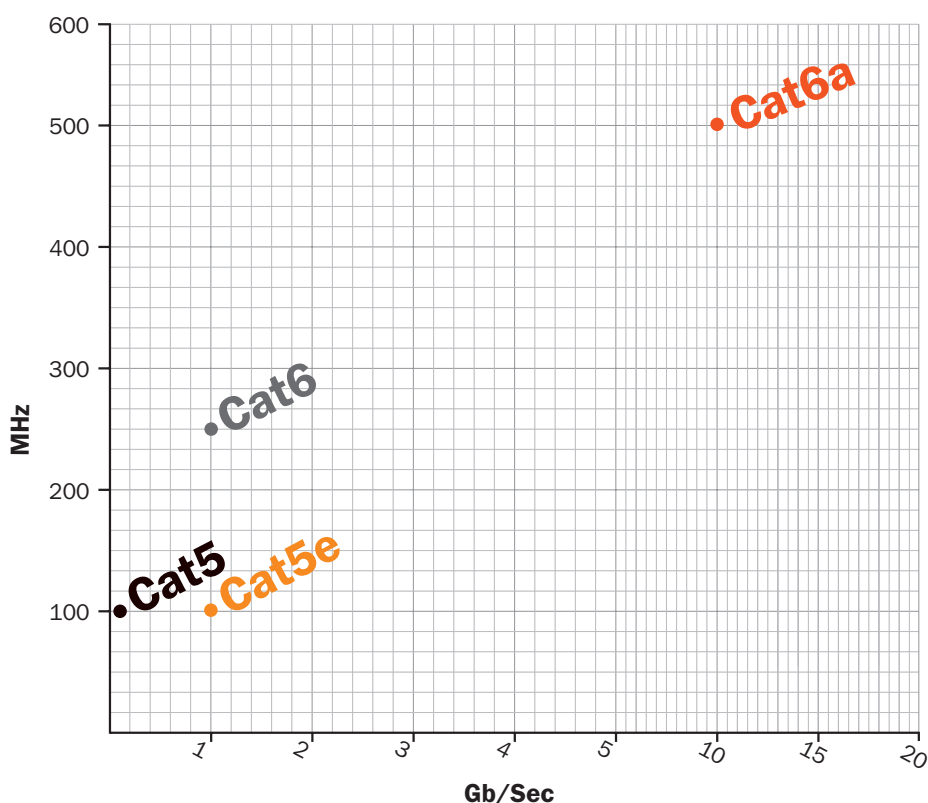
Polamco Plugs

- RJ45 connector supplied in kit, no other components required
- Full grounding from shielded RJ45 plug to 38999 derived shell
- Cable retention > 100N axial force
- Fully repairable
- All metal construction
- Low profile 43mm total length
- Temp rating: -40°C / +120°C
- Data transmission:
 - 10 BaseT, 100 BaseTX, 1000 BaseT and 10,000 BaseT networks (up to 10Gb)
- All six 38999 and 26482 derived keyway orientations available and four additional insert orientations provide 24 total configurations

Cat5 ➔ Cat6a

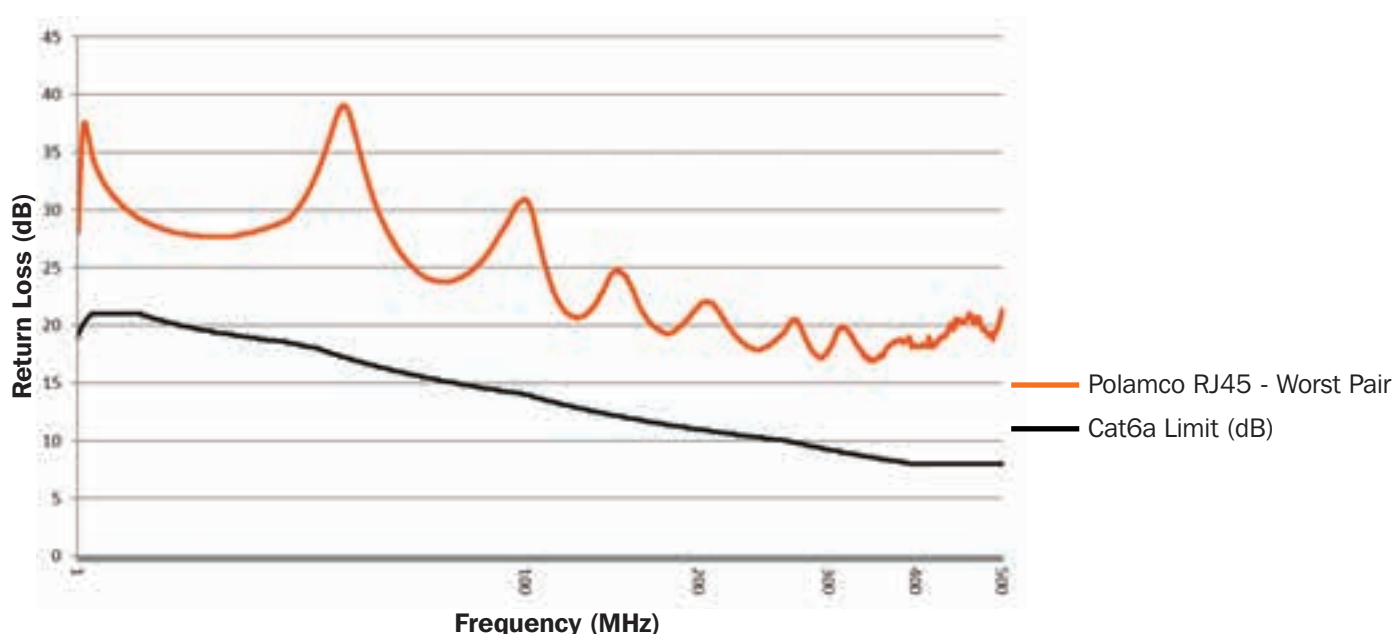
Polamco RJ45 product packages high quality industry standard jacks to the following categories of electrical performance:

Cat5	• Standard 100Mbit/second network system as used in homes and offices • Uses two of the available four twisted pairs in a standard RJ45 plug/socket arrangement • Cable runs limited to a maximum 100m • 100Mbit/second at up to 100 MHz
Cat5e	• Enhancement of Cat5, allows data transmission up to 1Gbit/second over short distances by using all four of the available twisted pairs • Reduced cross-talk (stopping signals on different circuits or channels from interfering with each other)
Cat6	• The improvement in transmission performance provides a higher signal-to-noise ratio • Faster and more reliable data transmission over distances up to 100m • 1Gb/sec at up to 250 MHz
Cat6a	• Requires even better components to achieve the necessary channel separation at this speed • Further reduction in cross-talk losses allow data transmission rates to increase up to 10Gbit/second over the same distance at up to 500 MHz

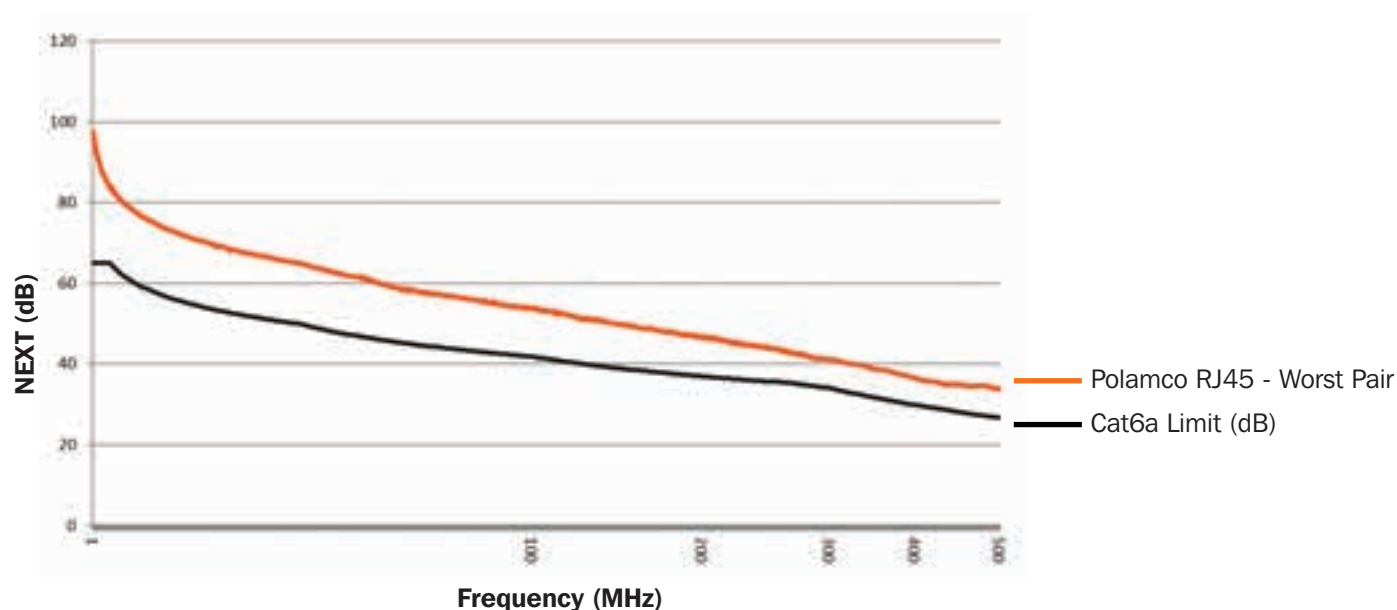


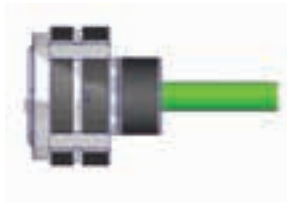
Polamco components are designed to optimise electrical and mechanical performance. The electrical performance is well above the requirement of a Cat6a standard (ANSI/TIA-568-C.1)

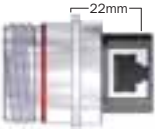
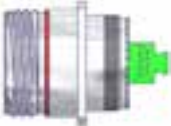
Test Results - Return Loss



Test Results - NEXT

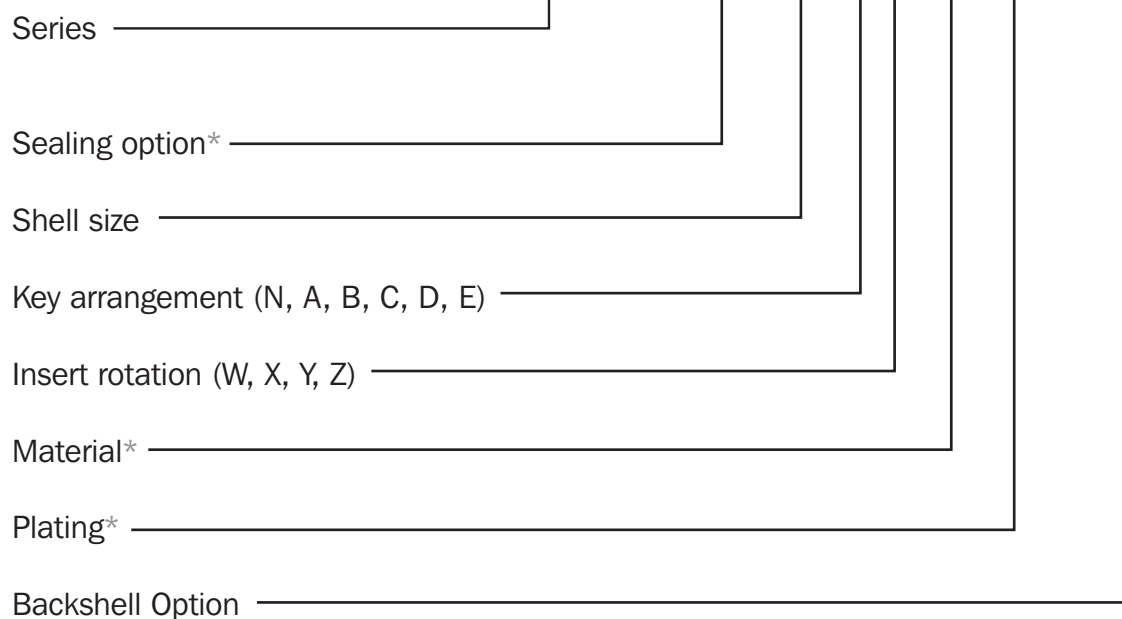


PLUGS	Derived Connector Type	Data Transmission Standard	Assembly Tooling (see page 63)	Cable Diameter	Wire Size	Additional POE Contacts	Page
Standard Plug Shielded and Sealed versions available 	38999	CAT5e	YES	6.4mm-7.4mm	SEE DRAWING FOR OPTIONS	YES	p28
		CAT6a	YES	6.4mm-7.4mm	AWG 24/26	NO	p24
	26482	CAT6a	YES	6.4mm-7.4mm	AWG 24/26	NO	p41
Field Plug - No tooling required - Accepts large cable diameter 	38999	CAT5e					
		CAT6a	NO	SEE DRAWING FOR OPTIONS	AWG 22/26	NO	p27
	26482	CAT6a	NO	SEE DRAWING FOR OPTIONS	AWG 22/26	NO	p42
Plug to Plug - Preterminated patchcord - Ruggedized 	38999	CAT5e					
		CAT6a	YES	6.4mm-7.4mm	AWG 24/26	NO	p26
Cabled Plug - Sealed unmated versions available - Backshell options for additional shielding and strain relief 	38999	CAT5e	YES	6.4mm-7.4mm	AWG 24/26	NO	p29
		CAT6a	YES	6.4mm-7.4mm	AWG 24/26	NO	p25

RECEPTACLES	Derived Connector Type					
	MIL-DTL-38999 III				MIL-DTL-26482	
	CAT5e		CAT6a		CAT6a	
	Sq. Flange	Jam Nut	Sq. Flange	Jam Nut	Sq. Flange	Jam Nut
Feedthrough - Standard receptacle - Patchcord inside box 	Standard Version					
	p22	p23	p8	p15	p30	p35
	Sealed Version					
90° Feedthrough - Allows cable connection behind panel with minimal space (22mm) - Plugable solution - easy to install 			p9	p16	p31	p36
	Standard & Sealed Versions					
			p10	p17		p37
Bulkhead Feedthrough - Designed for sealed plug to be fitted both sides - Available for various panel thicknesses 	Standard & Sealed Versions					
			p11	p18		
	Standard & Sealed Versions					
Solder - Customer cable soldered directly to PCB without tooling - Additional shielding strain relief with fitting backshell 			p12	p19	p32	p38
	Standard & Sealed Versions					
			p13	p20	p33	p39
PCB - Direct soldering to PCB - Double flange mechanical support 	Standard & Sealed Versions					
			p14	p21	p34	p40
	Standard & Sealed Versions					
Cabled - Sealed unmated versions available - Backshell options for additional shielding and strain relief 			p14	p21	p34	p40
	Standard & Sealed Versions					
			p14	p21	p34	p40

Please contact Polamco if version required is not shown above.

PC40084-H-19NX-1-C (-BT)



*See tables on individual drawings for available options



RJ45 38999 Style Bulkhead Feedthrough

Please note that the drawings contained in this catalogue were correct at the time of publishing, for the most up-to-date versions please refer to the individual datasheets on our website.

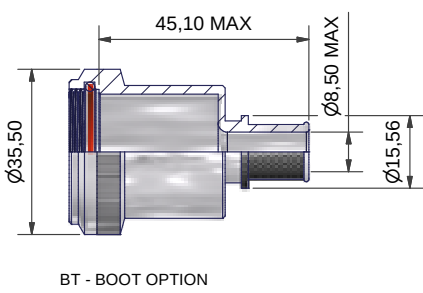
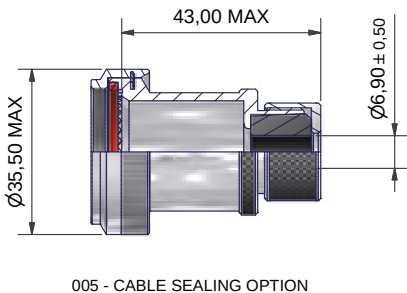
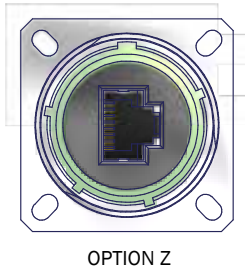
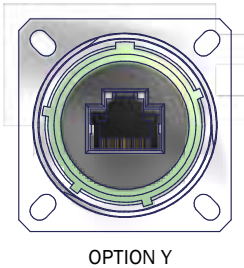
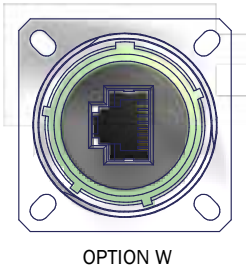
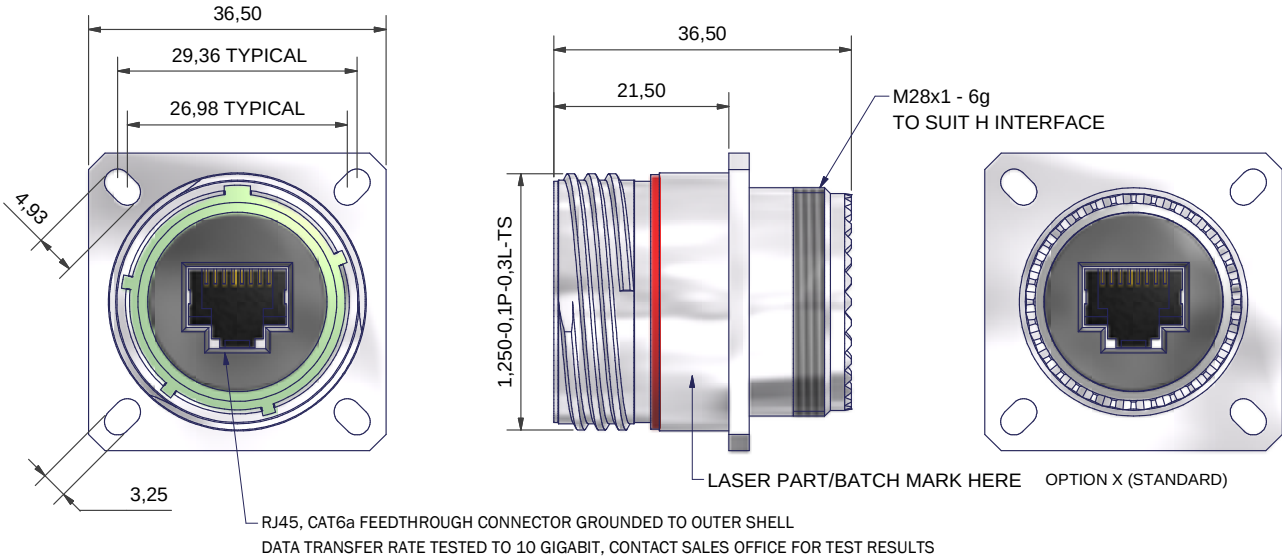
38999 Series III Style RJ45 Cat6a Receptacle

Standard Feedthrough, Square Flange

PC4B0029



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NOTES

SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC4B0029-19NX-1-C(-005)

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL / PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4B0029-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

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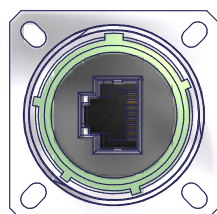
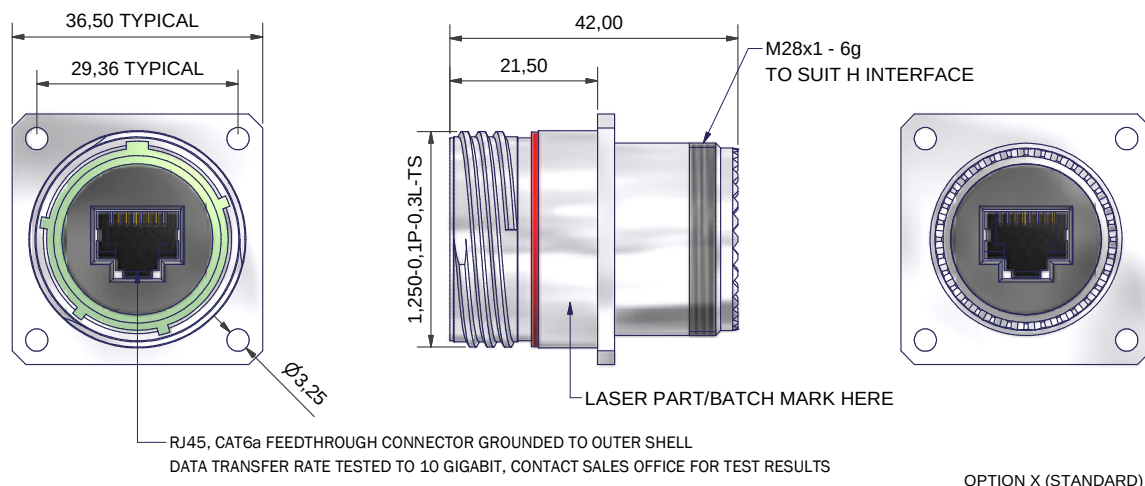
38999 Series III Style RJ45 Cat6a Receptacle

Sealed Feedthrough, Square Flange

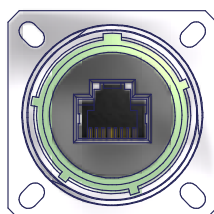
PC4B0102



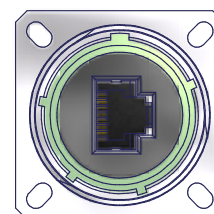
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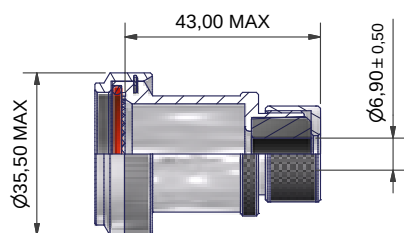
OPTION W



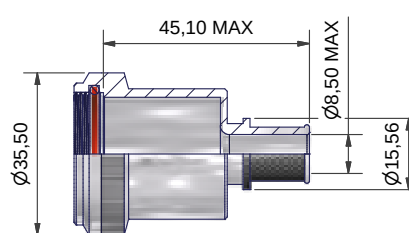
OPTION Y



OPTION Z



005 - CABLE SEALING OPTION



BT - BOOT OPTION

PC4B0102-H-19NX-1-C-(BT)

SERIES
SEALING OPTION (SEE NOTES)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL/PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4B0102-x-19NX-1-C-U

FINISH SEE TABLE MATERIALS

RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE

VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

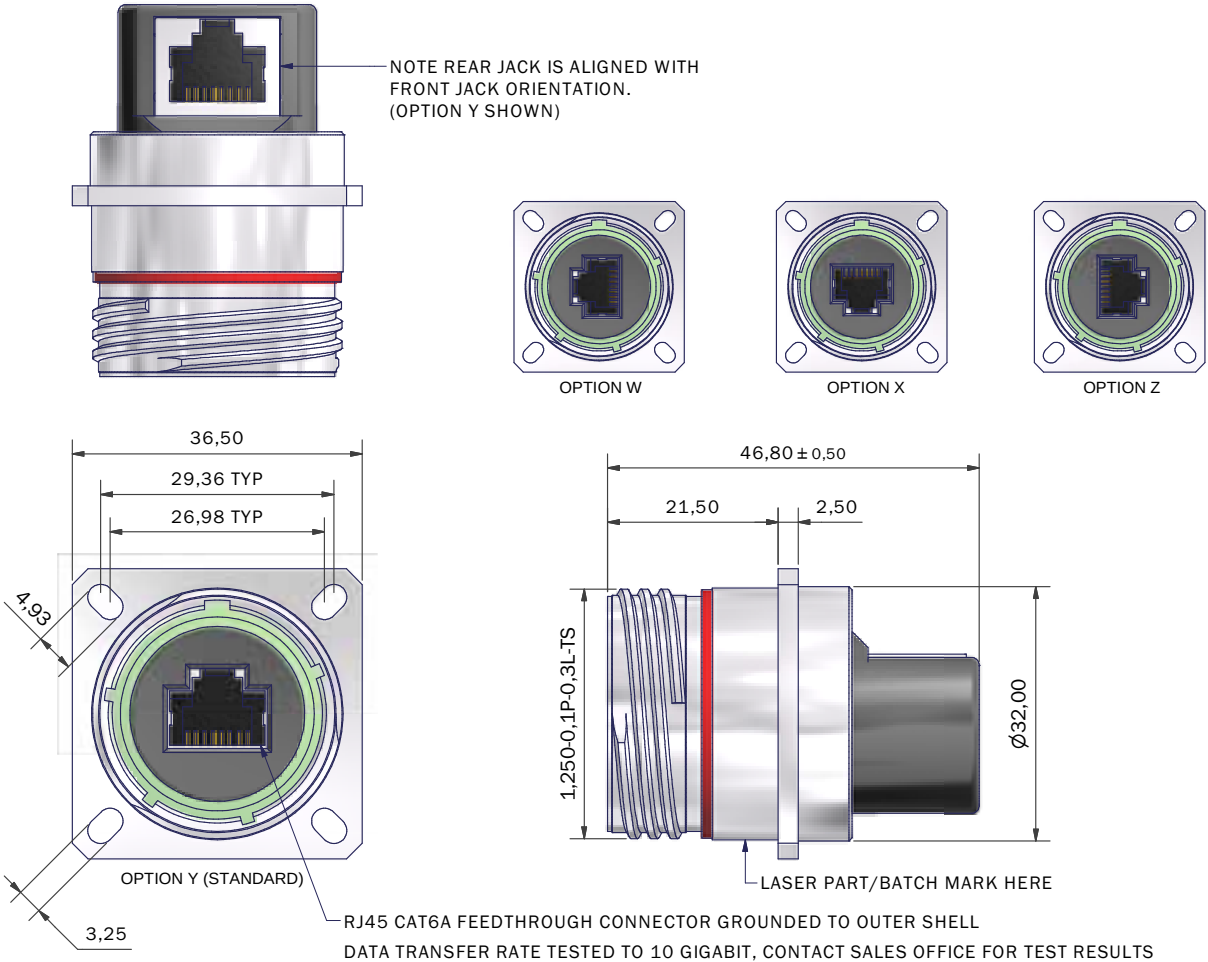
see page 43 for a range of accessories to fit this receptacle

38999 Series III Style RJ45 Cat6a Receptacle

90° Feedthrough, Square Flange
PC4B0038



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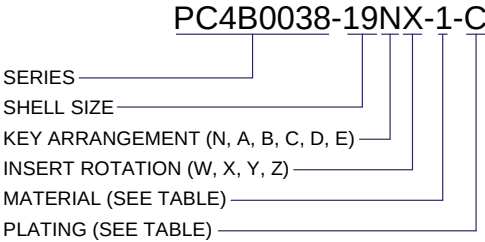
DATA TRANSFER RATE TESTED TO 10 GIGABIT, CONTACT SALES OFFICE FOR TEST RESULTS

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

CODE	MATERIAL / PLATING
1-C	ALUMINIUM / ELECTROLESS NICKEL
1-B	ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL / PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE / SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE



PART NUMBER FOR UNGROUNDED VERSION: PC4B0038-19NY-1-C-U

see page 43 for a range of accessories to fit this receptacle

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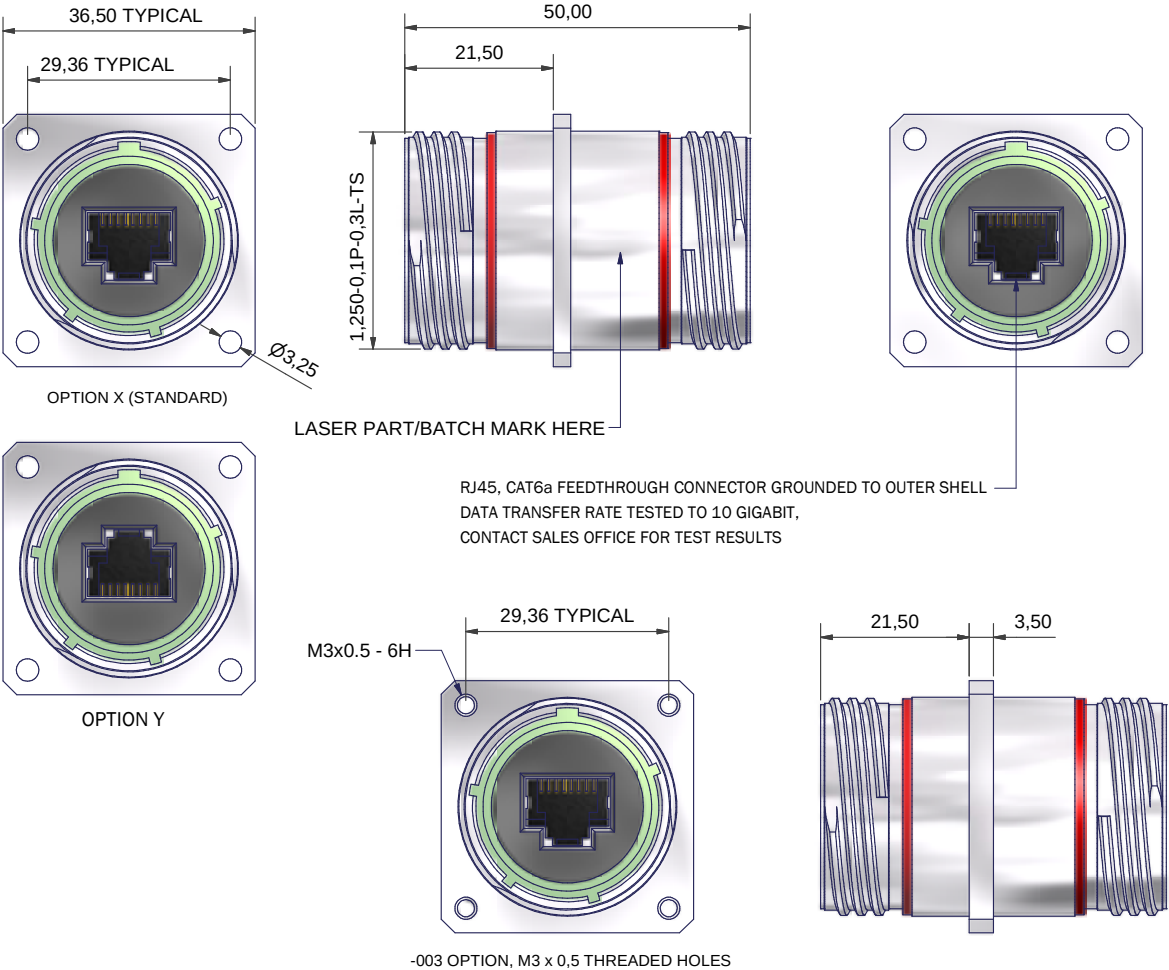
38999 Series III Style RJ45 Cat6a Receptacle

Bulkhead Receptacle, Square Flange

PC4B0103



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FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4B0103-H-19NX-1-C(-003)

SERIES
SEALING OPTION (SEE NOTES)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (X, Y)
MATERIAL/PLATING (SEE TABLE)
M3 THREADED HOLE OPTION
PART NUMBER FOR UNGROUNDED VERSION: PC4B0103-x-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

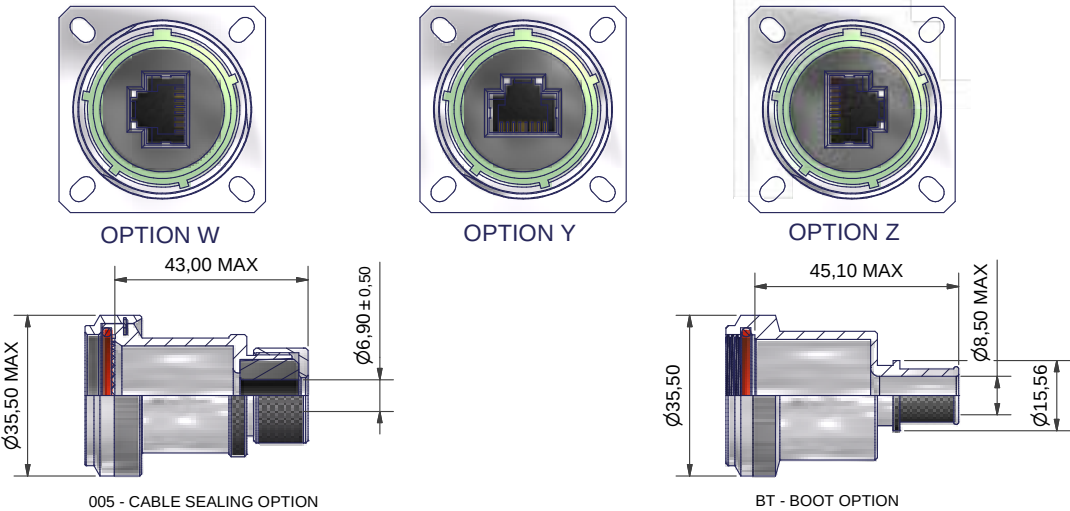
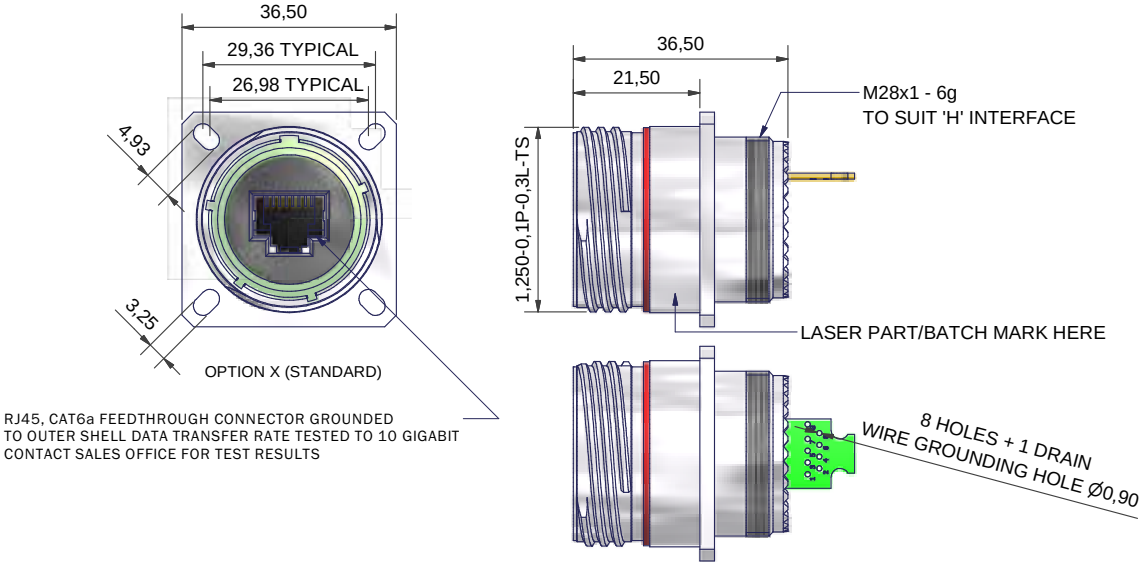
see page 43 for a range of accessories to fit this receptacle

38999 Series III Style RJ45 Cat6a Receptacle

Solder Receptacle, Square Flange
PC4B0034



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PC4B0034(H)-19NX-1-C(-BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL/PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4B0034-19NX-1-C-U

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0
SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C
SEALING (UNMATED)
S - PRESSURE TESTED TO 1 BAR

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

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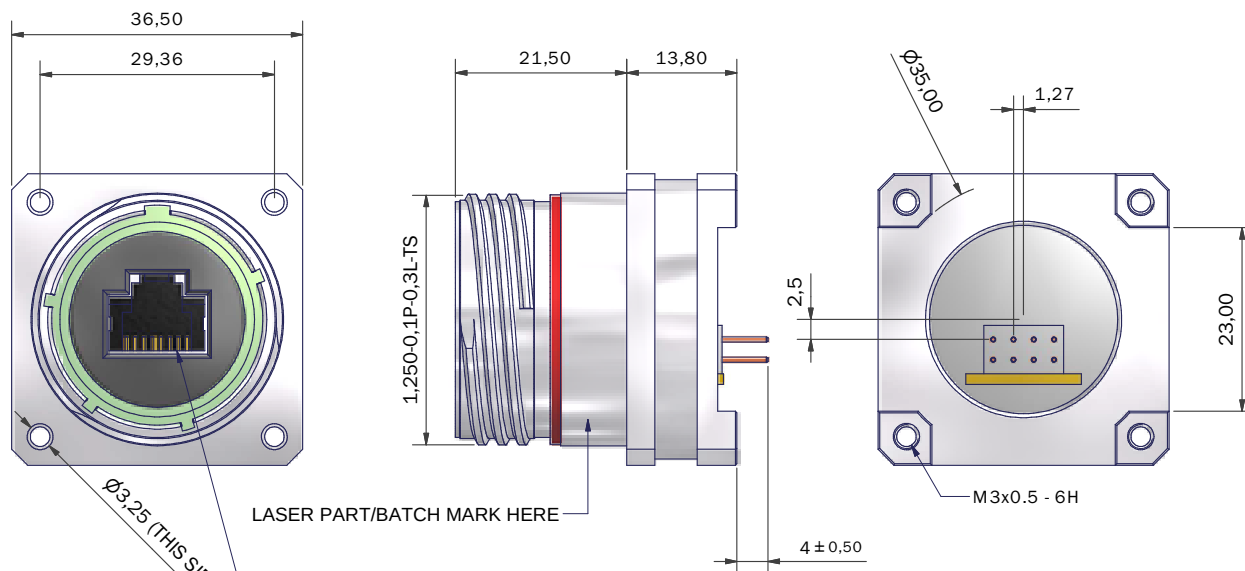
38999 Series III Style RJ45 Cat6a Receptacle

PCB Receptacle, Square Flange

PC4B0076

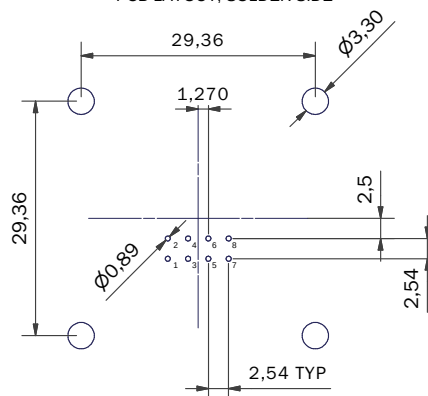


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RJ45, CAT6a FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 10 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS

PCB LAYOUT, SOLDER SIDE



PC4B0076(H)-19NY-1-C

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (Y - FIXED)
MATERIAL/PLATING (SEE TABLE)

PART NUMBER FOR UNGROUNDED VERSION: PC4B0076-19NY-1-B-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

see page 43 for a range of accessories to fit this receptacle

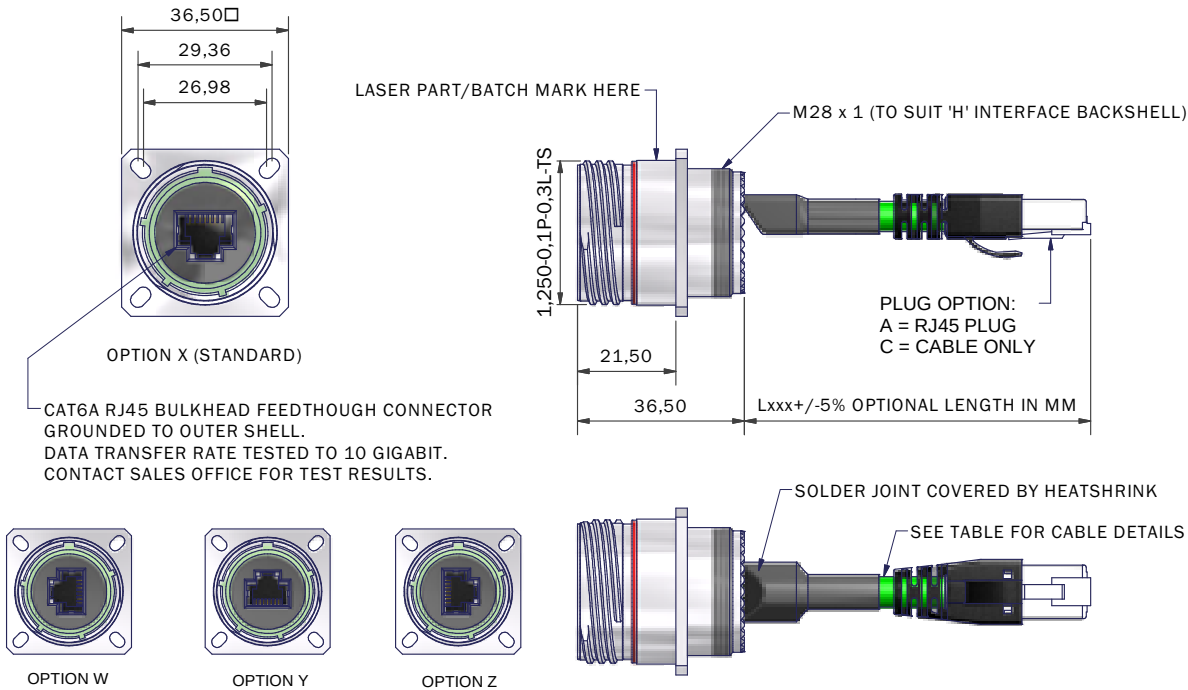
38999 Series III Style RJ45 Cat6a Receptacle

Cabled Receptacle, Square Flange

PC4B0034

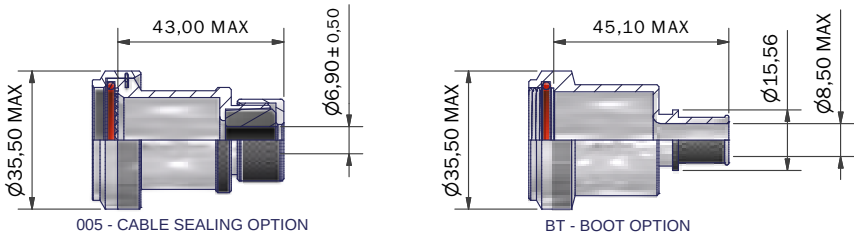


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DESCRIPTION	JACKET	OPERATING TEMPERATURE	OPERATING VOLTAGE	CHARACTERISTIC IMPEDANCE	BEND RAD	LOOP RESISTANCE	CAPACITANCE	FLAME RESISTANCE	OIL RESISTANCE	HALOGEN FREE
CAT 7	PUR	-40°C TO +80°C	30V AC	100 ± 5Ω AT 100 Mhz	31MM (ONCE) 62MM (MULTI)	290Ω/km	45nF/km	IEC 60332-1	IEC 60811-2-1	IEC 60754-2

WIRED TO TIA/EIA 568B	
PIN	COLOUR
1	WHITE/ORANGE
2	ORANGE
3	WHITE/GREEN
4	BLUE
5	WHITE/BLUE
6	GREEN
7	WHITE/BROWN
8	BROWN



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE (EXCLUDING CABLE)
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4B0034(H)-19NX-1-C-L150A(-BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
OPTIONAL CABLE LENGTH IN MM
PLUG OPTION, A = PLUG FITTED, C = CABLE ONLY
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4B0034x-19NX-1-C-L150A-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

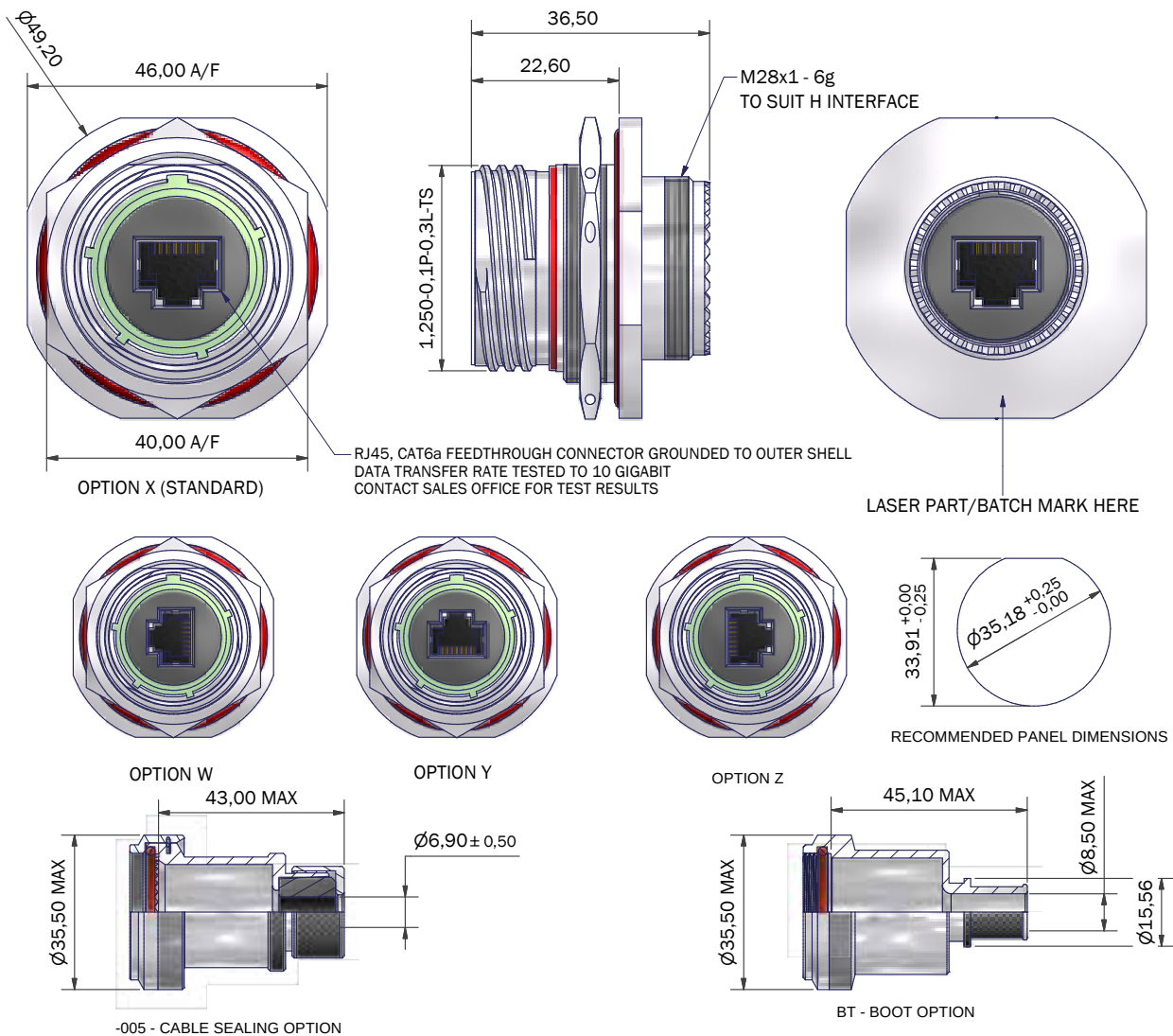
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38999 Series III Style RJ45 Cat6a Receptacle

Standard Feedthrough, Jam Nut
PC4F0020



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC4F0020-19NX-1-C(-005)

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL / PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)

PART NUMBER FOR UNGROUNDED VERSION: PC4F0020-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

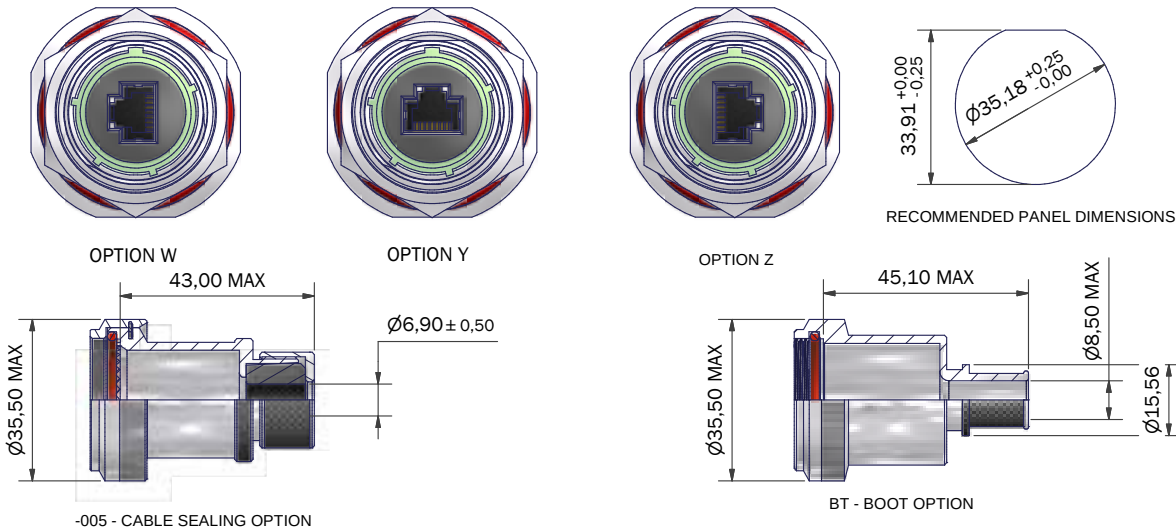
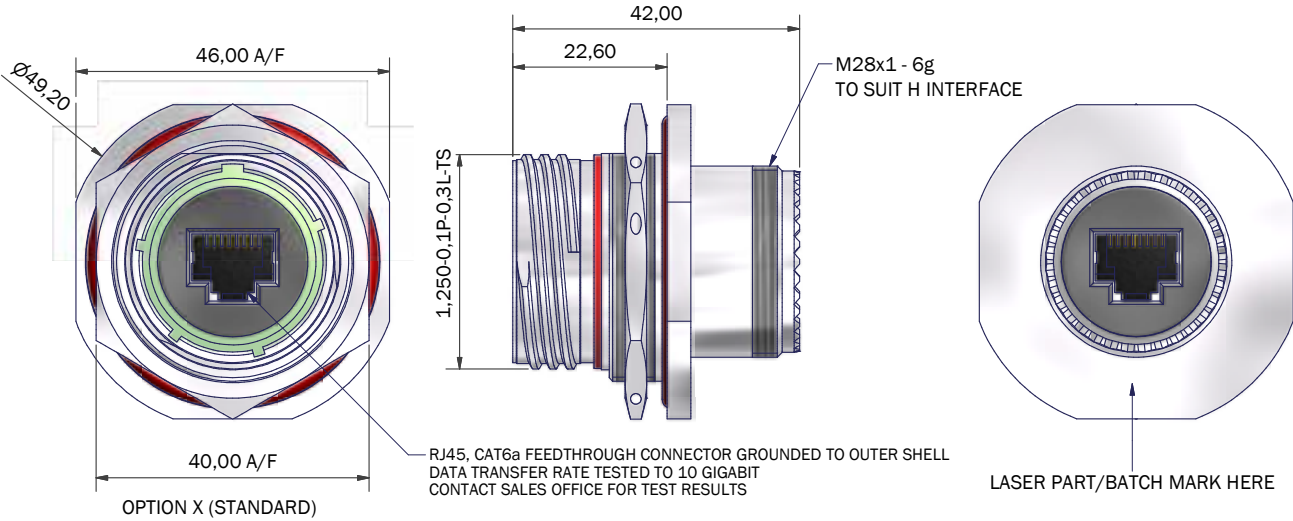
see page 43 for a range of accessories to fit this receptacle

38999 Series III Style RJ45 Cat6a Receptacle

Sealed Feedthrough, Jam Nut
PC4F0084



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4F0084-H-19NX-1-C(-BT)

SERIES
SEALING OPTION (SEE NOTES)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL/PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4F0084-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-JN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

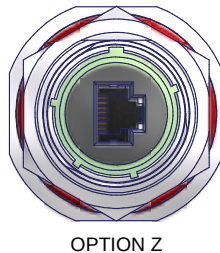
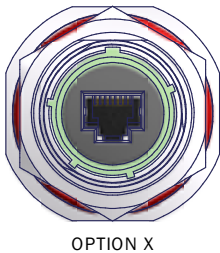
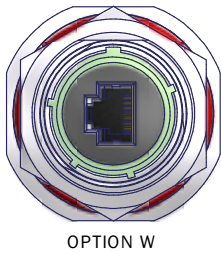
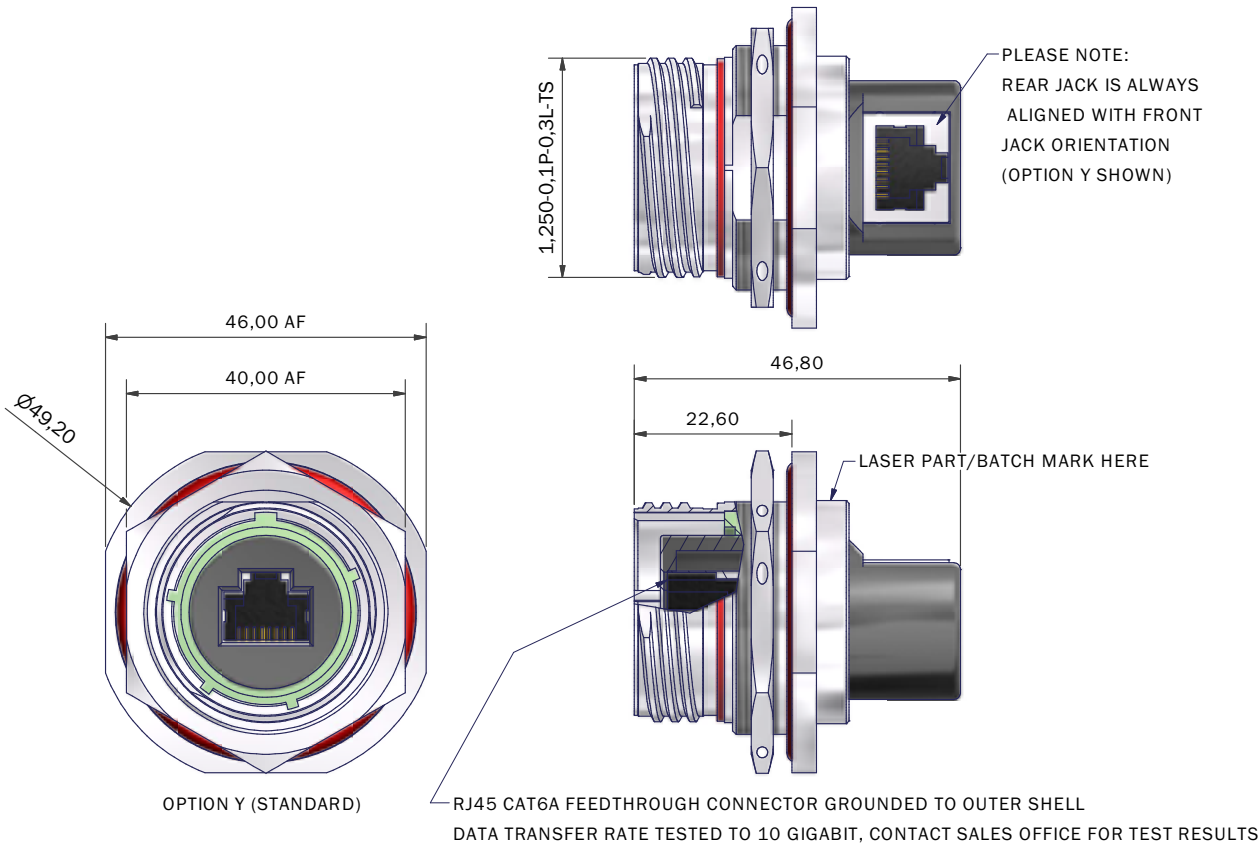
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38999 Series III Style RJ45 Cat6a Receptacle

90° Feedthrough, Jam Nut
PC4F0023



Interconnect Solutions Worldwide



CODE	MATERIAL / PLATING
1-C	ALUMINIUM / ELECTROLESS NICKEL
1-B	ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL / PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE / SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC4F0023-19NX-1-C

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL (SEE TABLE)
PLATING (SEE TABLE)

PART NUMBER FOR UNGROUNDED VERSION: PC4F0023-19NY-1-C-U

see page 43 for a range of accessories to fit this receptacle

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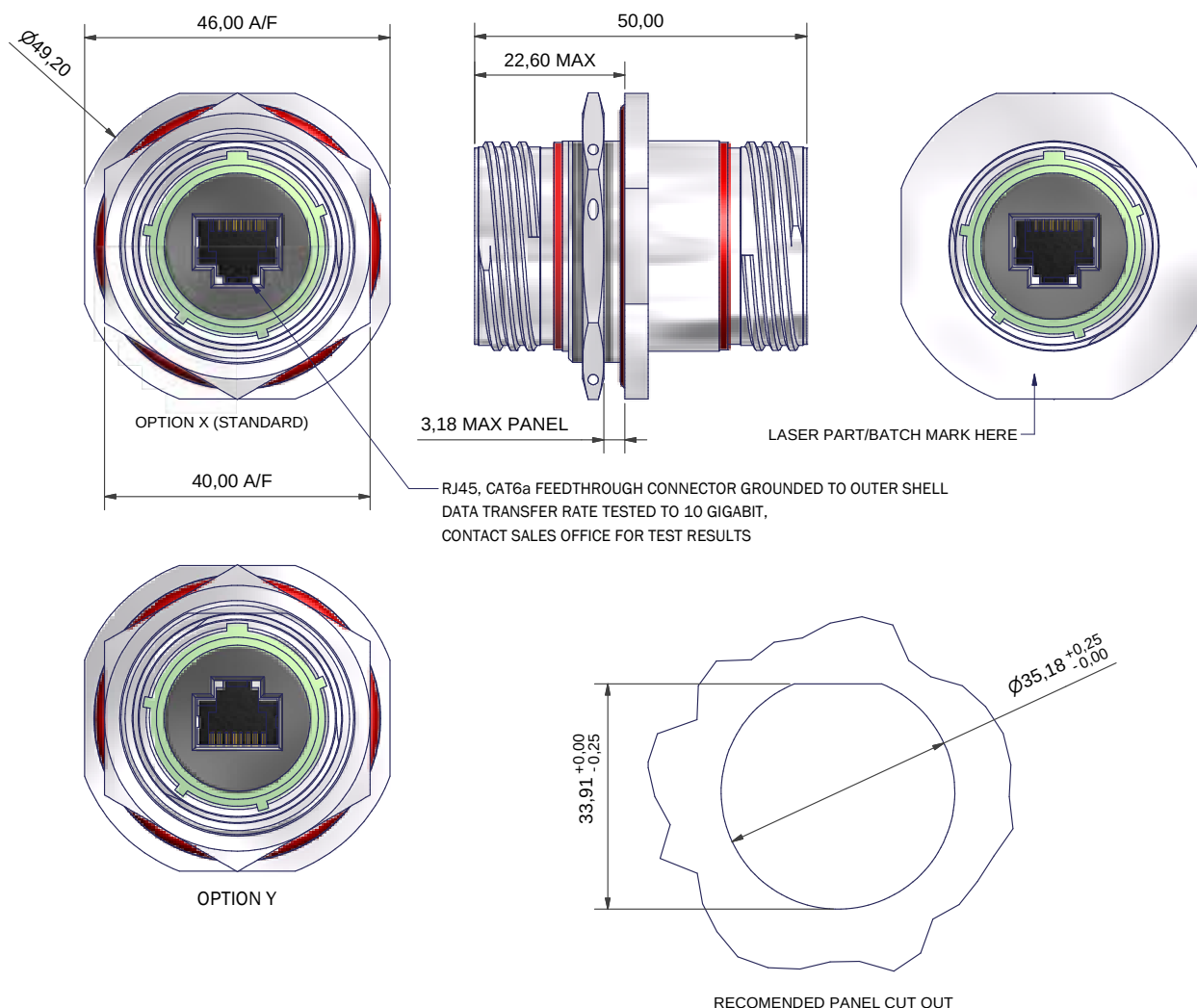
38999 Series III Style RJ45 Cat6a Receptacle

Bulkhead Receptacle, Jam Nut

PC4F0085



Interconnect Solutions Worldwide



FINISH SEE TABLE MATERIALS

RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4F0085-H-19NX-1-C(-003)

SERIES
SEALING OPTION (SEE NOTES)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (X, Y)
MATERIAL/PLATING (SEE TABLE)
M3 THREADED HOLE OPTION

PART NUMBER FOR UNGROUNDED VERSION: PC4F0085-x-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

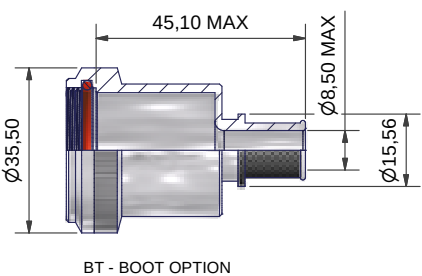
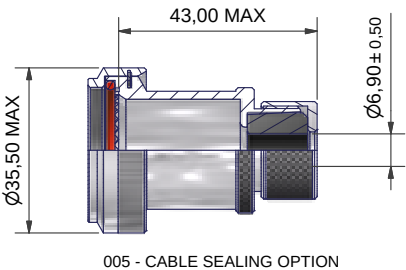
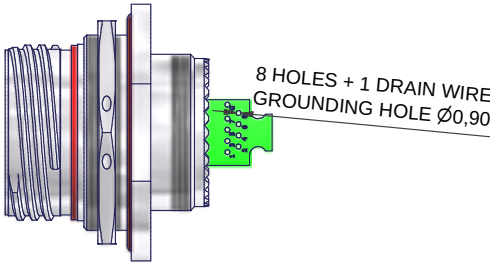
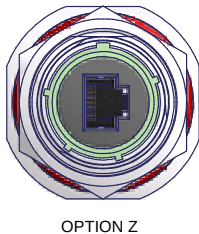
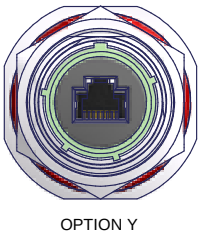
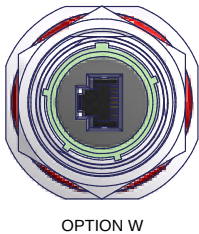
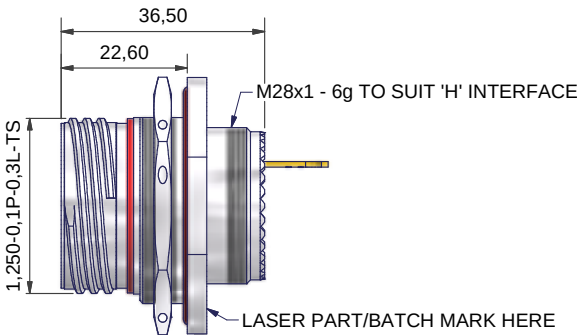
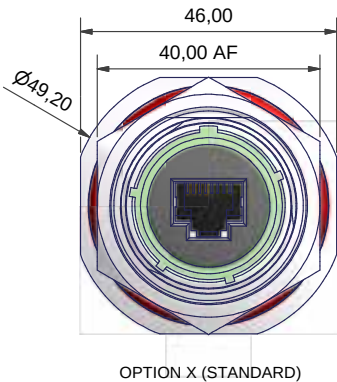
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38999 Series III Style RJ45 Cat6a Receptacle

Solder Receptacle, Jam Nut
PC4F0034



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4F0034(H)-19NX-1-C(-BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL/PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4F0034-19NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

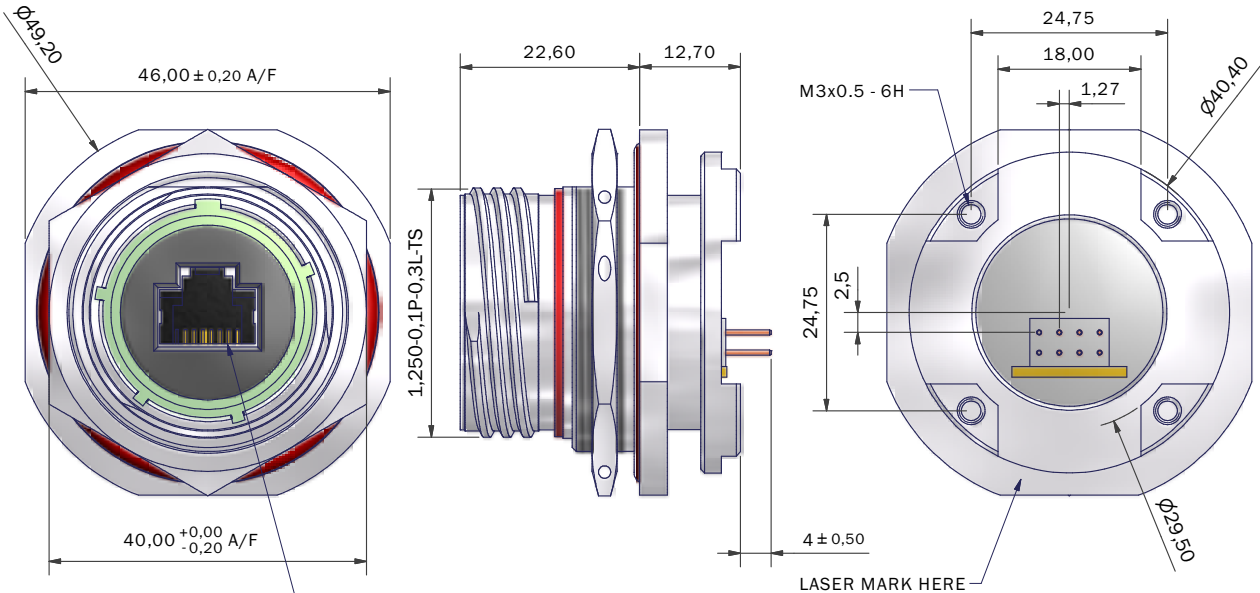
see page 43 for a range of accessories to fit this receptacle

38999 Series III Style RJ45 Cat6a Receptacle

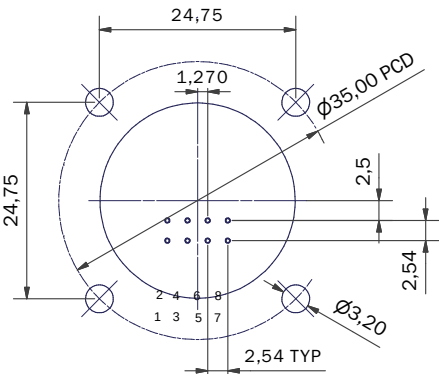
PCB Receptacle, Jam Nut
PC4F0025



Interconnect Solutions Worldwide



RJ45, CAT6a FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 10 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



PCB LAYOUT, SOLDER SIDE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC4F0025(H)-19NY-1-C

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (Y - FIXED)
MATERIAL/PLATING (SEE TABLE)

PART NUMBER FOR UNGROUNDED VERSION: PC4F0025-19NY-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

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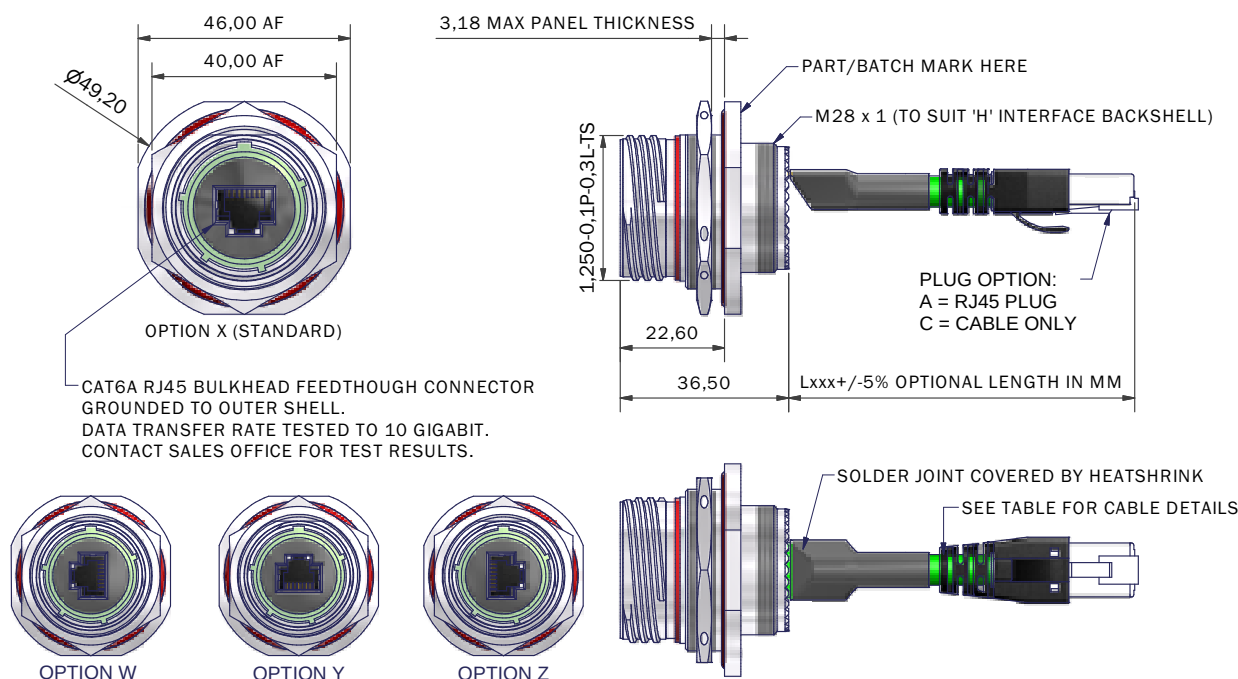
38999 Series III Style RJ45 Cat6a Receptacle

Cabled Receptacle, Jam Nut

PC4F0034

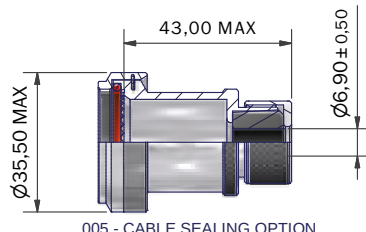


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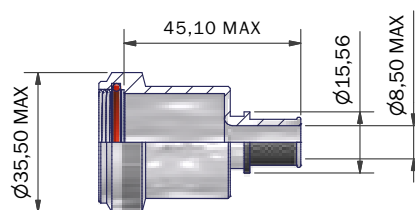


DESCRIPTION	JACKET	OPERATING TEMPERATURE	OPERATING VOLTAGE	CHARACTERISTIC IMPEDANCE	BEND RAD	LOOP RESISTANCE	CAPACITANCE	FLAME RESISTANCE	OIL RESISTANCE	HALOGEN FREE
CAT 7	PUR	-40°C TO +80°C	30V AC	100 ± 5Ω AT 100 Mhz	31MM (ONCE) 62MM (MULTI)	290Ω/km	45nF/km	IEC 60332-1	IEC 60811-2-1	IEC 60754-2

WIRED TO TIA/EIA 568B
PIN COLOUR
1 WHITE/ORANGE
2 ORANGE
3 WHITE/GREEN
4 BLUE
5 WHITE/BLUE
6 GREEN
7 WHITE/BROWN
8 BROWN



005 - CABLE SEALING OPTION



BT - BOOT OPTION

PC4F0034(H)-19NX-1-C-L150A-(BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
OPTIONAL CABLE LENGTH IN MM
PLUG OPTION, A = PLUG FITTED, C = CABLE ONLY
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC4F0034x-19NX-1-C-L150A-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE (EXCLUDING CABLE)
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

see page 43 for a range of accessories to fit this receptacle

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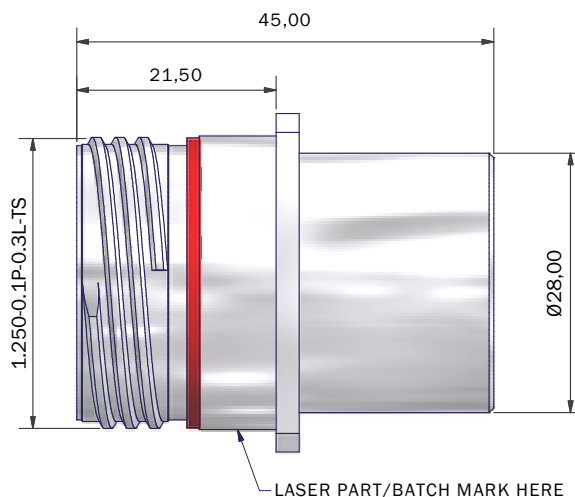
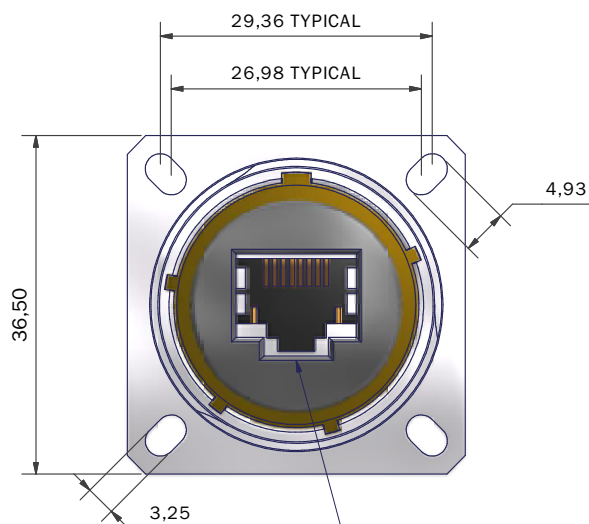
38999 Series III Style RJ45 Cat5e Receptacle

Standard Feedthrough, Square Flange

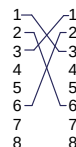
PC4B0002



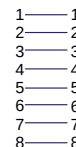
Interconnect Solutions Worldwide



RJ45, CAT5 FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 1 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



WIRING DIAGRAM
4 WAY CROSS OVER



WIRING DIAGRAM
8 WAY STRAIGHT THROUGH

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE MS749ECR TO BS6853 CAT 1
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING FOR POWER CONTACTS 2.1 AMPS @ 70°C
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC4B0002-C-19N-1-C

SERIES
RJ45 STYLE A = 4 WAY
B = 4 WAY+ 2 POWER CONTACTS
C = 8 WAY (STANDARD)
D = 8 WAY+ 2 POWER CONTACTS
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
MATERIAL AND PLATING (SEE TABLE)
PART NUMBER FOR UNGROUNDED VERSION: PC4B0002-C-U-19N-1-C

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

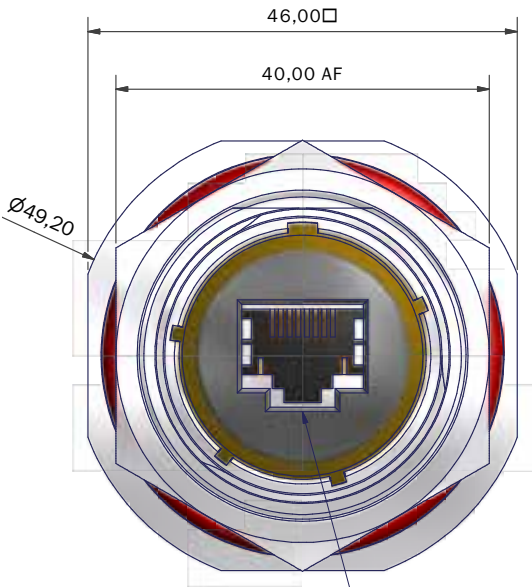
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38999 Series III Style RJ45 Cat5e Receptacle

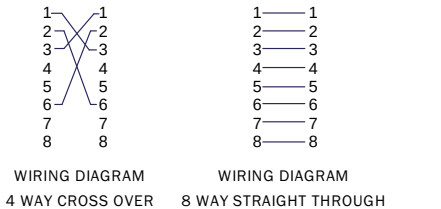
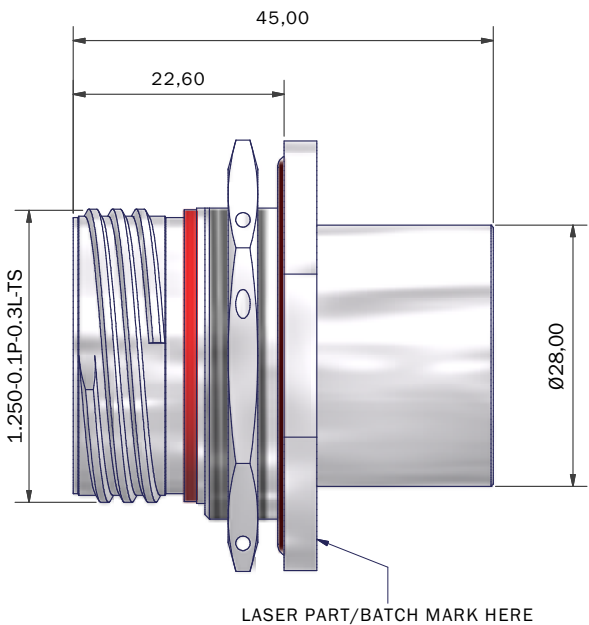
Standard Feedthrough, Jam Nut
PC4F0002



Interconnect Solutions Worldwide

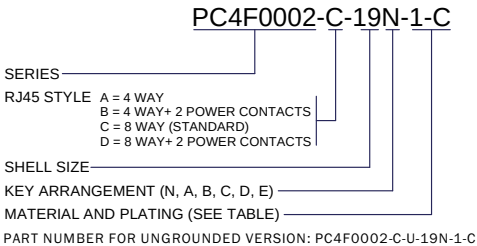


RJ45, CAT5 FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 1 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30_μ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE MS749ECR TO BS6853 CAT 1
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING FOR POWER CONTACTS 2.1 AMPS @ 70°C
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C



CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE. FOR COMPREHENSIVE LIST AND SPECS. SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

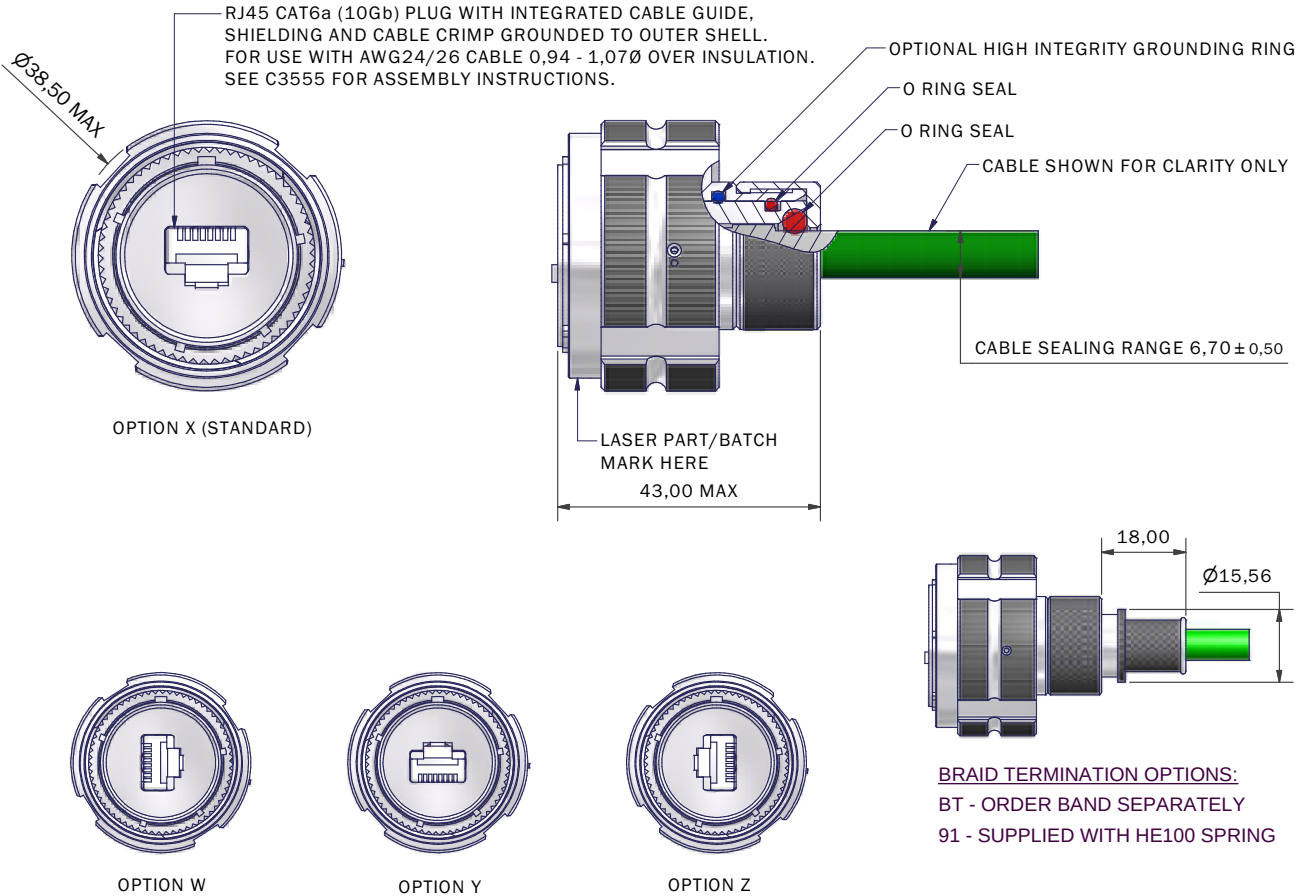
38999 Series III Style RJ45 Cat6a Plug

Standard Plug

PC4D0024



Interconnect Solutions Worldwide



PC4D0024(BT)-19NX-1-C(-H)

SERIES
BRAID TERMINATION OPTION (OMIT FOR STANDARD)
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL (SEE TABLE)
PLATING (SEE TABLE)
HIGH INTEGRITY GROUNDING OPTION (OMIT FOR STANDARD)
PART NUMBER FOR UNGROUNDED VERSION: PC4D0024-19NX-1-C-U

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS SELECTIVE GOLD PLATING
SHIELDING - NICKEL PLATED BRASS
BODY - PBT, UL94V-0

SEAL - SILICONE ELASTOMER

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this plug

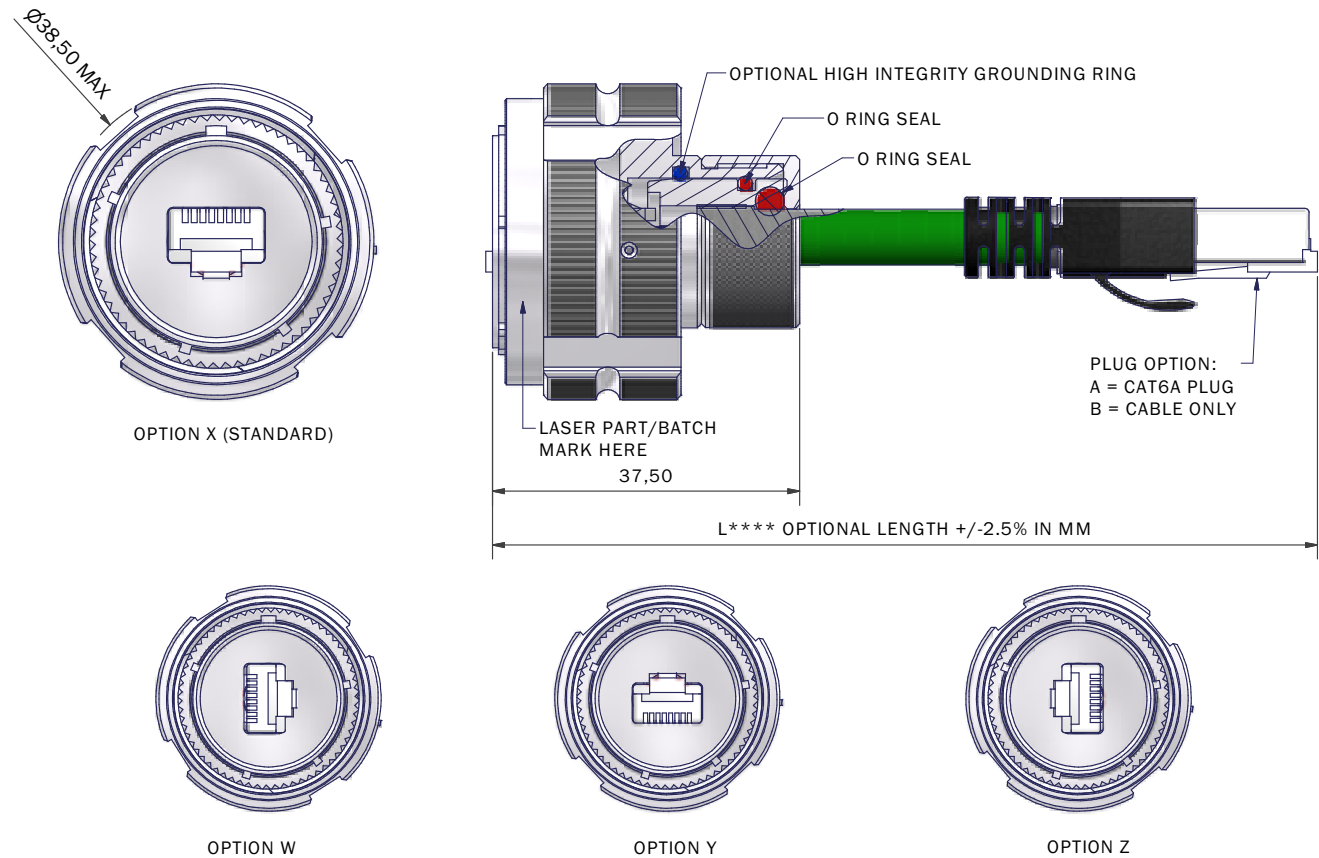
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38999 Series III Style RJ45 Cat6a Plug

Cabled Plug
PC4D0024



Interconnect Solutions Worldwide



DESCRIPTION	JACKET	OPERATING TEMPERATURE	OPERATING VOLTAGE	CHARACTERISTIC IMPEDANCE	BEND RAD	LOOP RESISTANCE	CAPACITANCE	FLAME RESISTANCE	OIL RESISTANCE	HALOGEN FREE
CAT 7	PUR	-40°C TO +80°C	30V AC	100 ± 5Ω AT 100 Mhz	31MM (ONCE) 62MM (MULTI)	290Ω/km	45nF/km	IEC 60332-1	IEC 60811-2-1	IEC 60754-2

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS SELECTIVE GOLD PLATING
SHIELDING - NICKEL PLATED BRASS
BODY - PBT, UL94V-0

SEAL - SILICONE ELASTOMER

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C

PC4D0024-19NX-1-C(-H)-L1000-A

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
HIGH INTEGRITY GROUNDING (OMIT FOR STANDARD)
L1000 (OPTIONAL LENGTH IN MM)
PLUG OPTION: A = CAT6A PLUG, B = CABLE ONLY

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

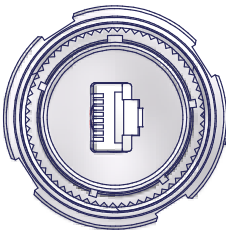
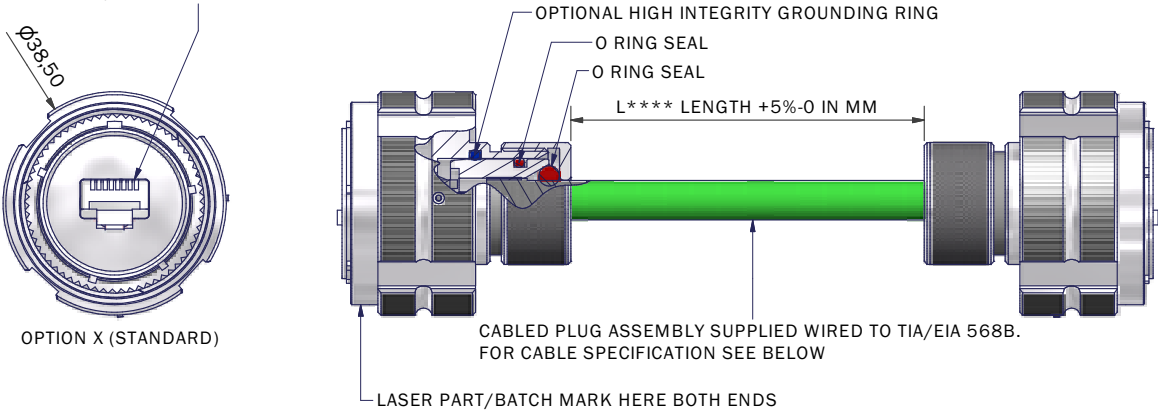
see page 43 for a range of accessories to fit this plug

38999 Series III Style RJ45 Cat6a Plug
Standard Plug
PC4D0024

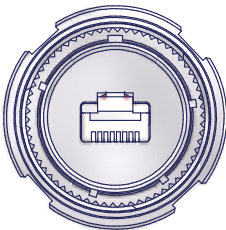


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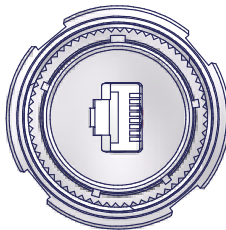
RJ45 CAT6a (10Gb) PLUG WITH INTEGRATED CABLE GUIDE, SHIELDING AND CABLE CRIMP GROUNDED TO OUTER SHELL. FOR USE WITH AWG24/26 CABLE 0.94 - 1.07Ø OVER INSULATION.



OPTION W



OPTION Y



OPTION Z

Table with 11 columns: DESCRIPTION, JACKET, OPERATING TEMPERATURE, OPERATING VOLTAGE, CHARACTERISTIC IMPEDANCE, BEND RAD, LOOP RESISTANCE, CAPACITANCE, FLAME RESISTANCE, OIL RESISTANCE, HALOGEN FREE. Row 1: CAT 7, PUR, -40°C TO +80°C, 30V AC, 100 ± 5Ω AT 100 Mhz, 31MM (ONCE) 62MM (MULTI), 290Ω/km, 45nF/km, IEC 60332-1, IEC 60811-2-1, IEC 60754-2

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS SELECTIVE GOLD PLATING
SHIELDING - NICKEL PLATED BRASS
BODY - PBT, UL94V-0

SEAL - SILICONE ELASTOMER

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C

PC4D0024-19NX-DP-1-C-L1000

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
DOUBLE PLUG ASSEMBLY
MATERIAL AND PLATING - SEE TABLE
OPTIONAL CABLE LENGTH IN MM (MINIMUM 500MM)
OPTIONAL HIGH INTEGRITY GROUNDING - PC4D0024-19NX-DP-1-C-H-L1000

Table with 2 columns: CODE, MATERIAL/PLATING. Rows include 1-C (ALUMINIUM - ELECTROLESS NICKEL), 1-B (ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL), 1-ZB (ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL), 1-ZK (ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL), 1-ZN (ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL), 4-J (STAINLESS STEEL - PASSIVATE), 2-Z (NICKEL ALUMINIUM BRONZE - SHOT BLAST)

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this plug

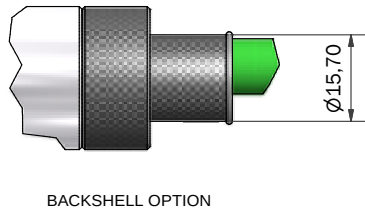
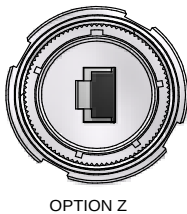
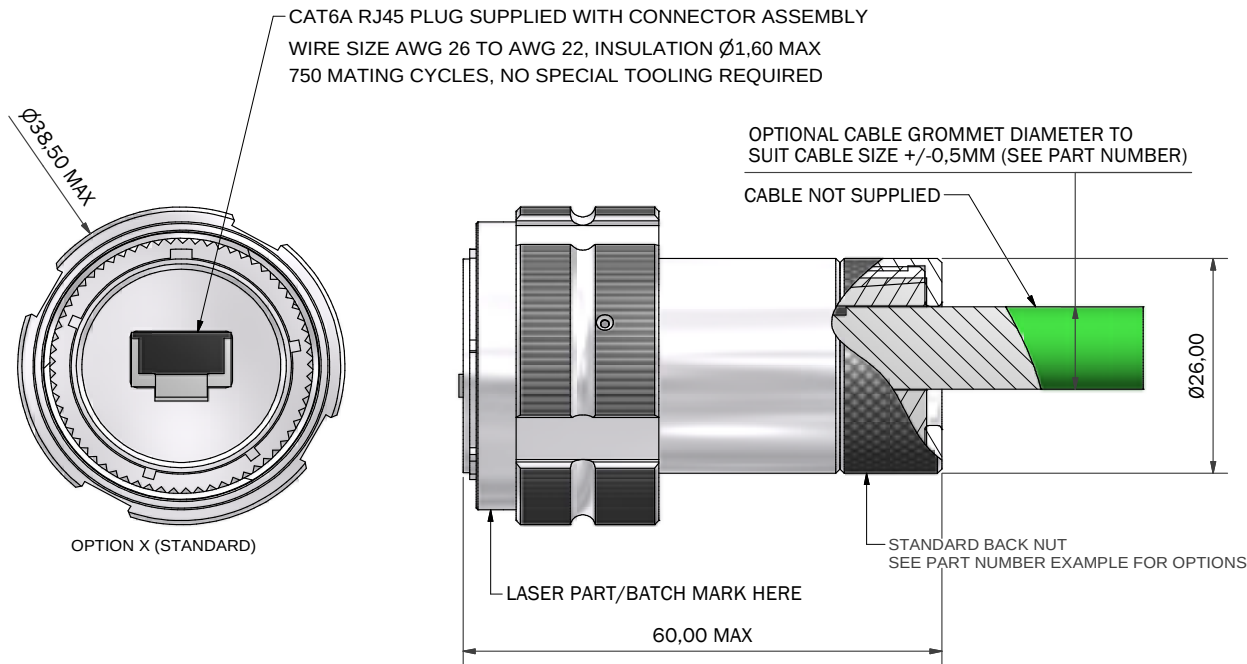
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38999 Series III Style RJ45 Cat6a Plug

Field Plug
PC4D0042



Interconnect Solutions Worldwide



FINISH - SEE TABLE
MATERIALS
RJ45 PLUG
CONTACTS SELECTIVE GOLD PLATING
HOUSING - ZINC DIECAST

SEAL - SILICONE ELASTOMER

PERFORMANCE

TEMPERATURE -40°C TO +70°C

PC4D0042-1908NX-1-C(-BT)

SERIES
SHELL SIZE
CABLE GROMMET DIA IN MM (06, 07, 08, 09, 10)
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING (SEE TABLE)
BACK NUT OPTION - BT = BAND,
91 = SPRING.

(OMIT FOR STANDARD)	
CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

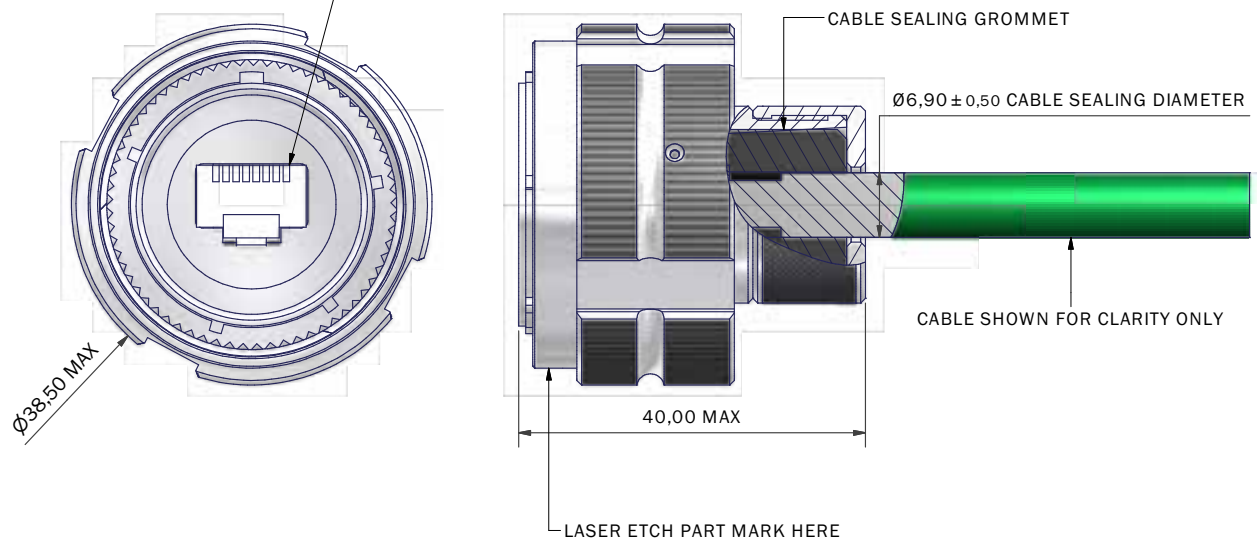
see page 43 for a range of accessories to fit this plug

PC4D0002



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SHIELDING AND CABLE CRIMP GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 1 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



SEAL - SILICONE MS749ECR TO BS6853 CAT 1
PERFORMANCE
 CURRENT RATING FOR POWER CONTACTS 2.1 AMPS @ 70°C
 VOLTAGE RATING 50V DC / 35V AC
 TEMPERATURE -40°C TO +120°C

PC4D0002-C-19N-1-C

RJ45 STYLE A = 4 WAY 4 x 24AWG
 B = 4 + 2 WAY 4 x 24AWG + 2 x 22AWG
 C = 8 WAY 8 x 26AWG (STANDARD)
 D = 8 + 2 WAY 2 8 x 26AWG + 2 x 23AWG
 E = 4 WAY 4 x 22AWG (PROFINET) Ø1.4 MAX
 OVER INSULATION

KEY ARRANGEMENT (N, A, B, C, D, E)

MATERIAL AND PLATING (SEE TABLE)

PART NUMBER FOR UNGROUNDED VERSION: PC4D0002-C-U-19N-1-C

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this plug

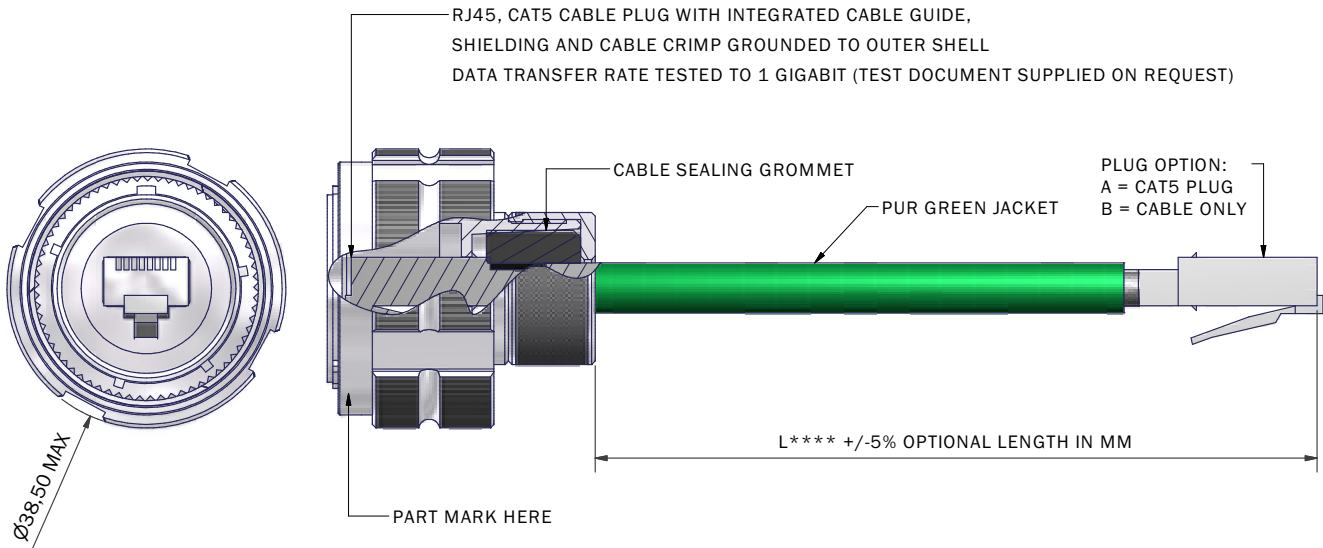
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38999 Series III Style RJ45 Cat5e Plug

Cabled Plug
PC4D0002



Interconnect Solutions Worldwide



DESCRIPTION	JACKET	OPERATING TEMPERATURE	OPERATING VOLTAGE	CHARACTERISTIC IMPEDANCE	BEND RAD	LOOP RESISTANCE	CAPACITANCE	FLAME RESISTANCE	OIL RESISTANCE	HALOGEN FREE
CAT 7	PUR	-40°C TO +80°C	30V AC	100 ± 5Ω AT 100 Mhz	31MM (ONCE) 62MM (MULTI)	290Ω/km	45nF/km	IEC 60332-1	IEC 60811-2-1	IEC 60754-2

PC4D0002-C-19N-1-C-L5000A

SERIES _____
RJ45 STYLE A = 4 WAY 4 x 24AWG
B = 4 + 2 WAY 4 x 24AWG + 2 x 22AWG
C = 8 WAY 8 x 26AWG (STANDARD)
D = 8 + 2 WAY 2 8 x 26AWG + 2 x 23AWG
E = 4 WAY 4 x 22AWG (PROFINET) Ø1.4 MAX OVER INSULATION
SHELL SIZE _____
KEY ARRANGEMENT (N, A, B, C, D, E) _____
MATERIAL AND PLATING (SEE TABLE) _____
L5000 (OPTIONAL LENGTH IN MM) _____
PLUG OPTION: A = CAT6A PLUG, B = CABLE ONLY _____

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PBT, UL94V-0

SEAL - SILICONE MS749ECR TO BS6853 CAT 1
PERFORMANCE
CURRENT RATING FOR POWER CONTACTS 2.1 AMPS @ 70 °C
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40 °C TO +120 °C

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

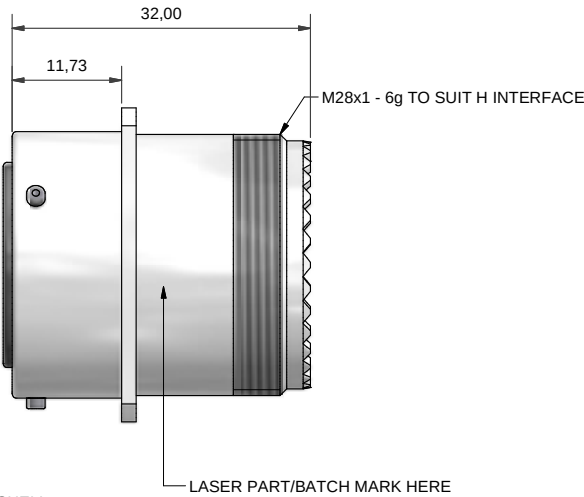
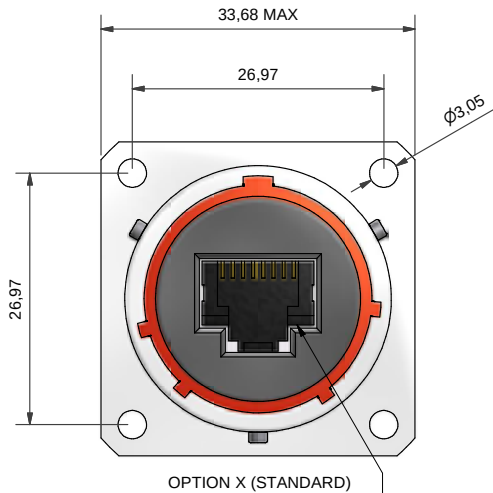
see page 43 for a range of accessories to fit this plug

MIL-DTL-26482 Style RJ45 Cat6a Receptacle

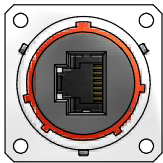
Standard Feedthrough, Square Flange
PC80010



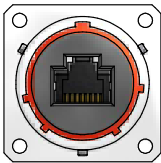
Interconnect Solutions Worldwide



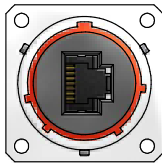
CAT6A RJ45 FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 10 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



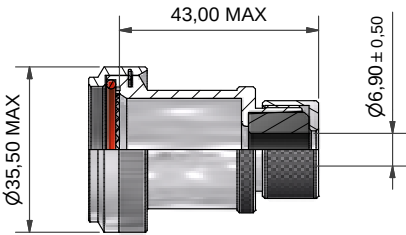
OPTION W



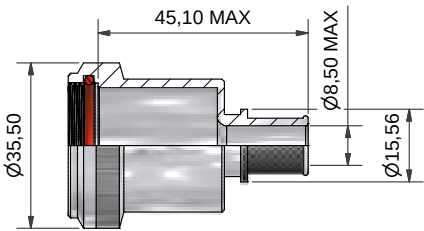
OPTION Y



OPTION Z



005 - CABLE SEALING OPTION



BT - BOOT OPTION

PC80010-00-18NX-1-C(-BT)

- SERIES
 - SHELL STYLE
 - SHELL SIZE
 - KEY ARRANGEMENT (N, A, B, C, D, E, F)
 - INSERT ROTATION (W, X, Y, Z)
 - MATERIAL / PLATING (SEE TABLE)
 - BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
- PART NUMBER FOR UNGROUNDED VERSION: PC80010-00-18NX-1-C-U

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

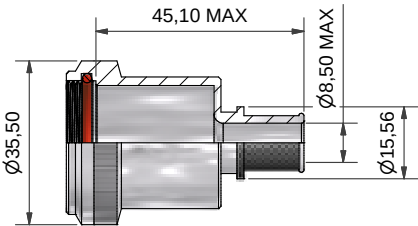
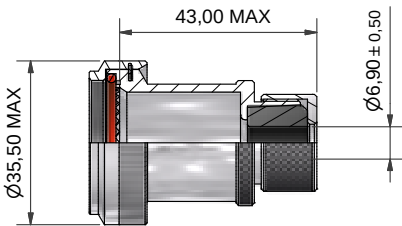
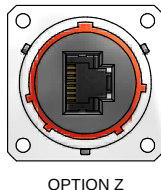
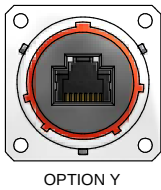
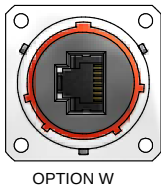
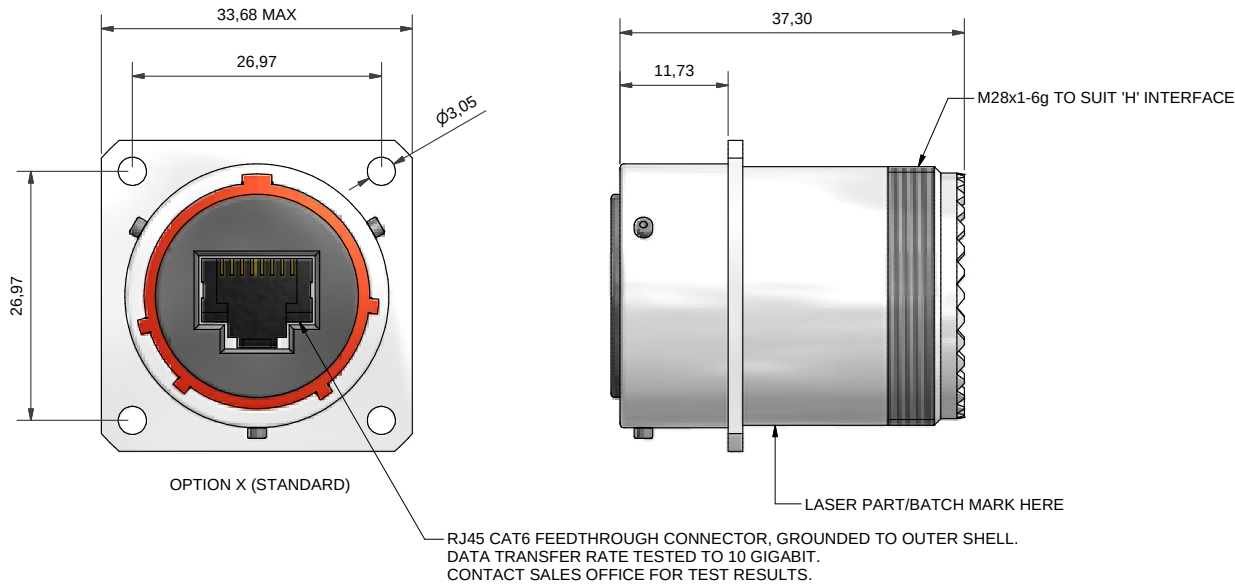
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MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Sealed Feedthrough, Square Flange
PC80010



Interconnect Solutions Worldwide



PC80010-H00-18NX-1-C(-BT)

- SERIES
SEALING OPTION (SEE NOTES)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (W, X, Y, Z)
MATERIAL / PLATING (SEE TABLE)
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC80010-H00-18NX-1-C-U

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

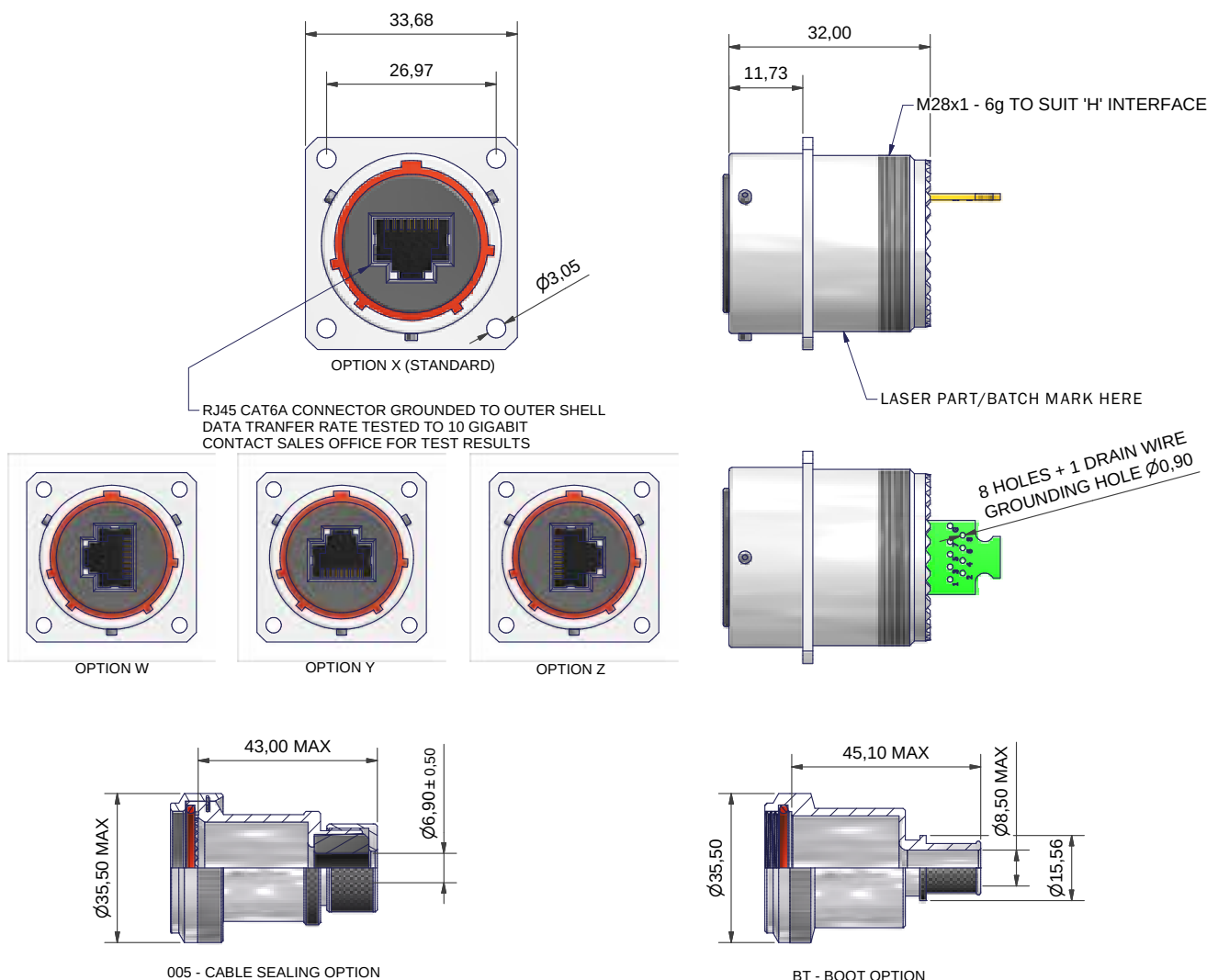
MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Solder Receptacle, Square Flange

PC80050



Interconnect Solutions Worldwide



FINISH SEE TABLE MATERIALS

RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC80050-(H)00-18NX-1-C-(BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED
WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC80050-x00-18NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

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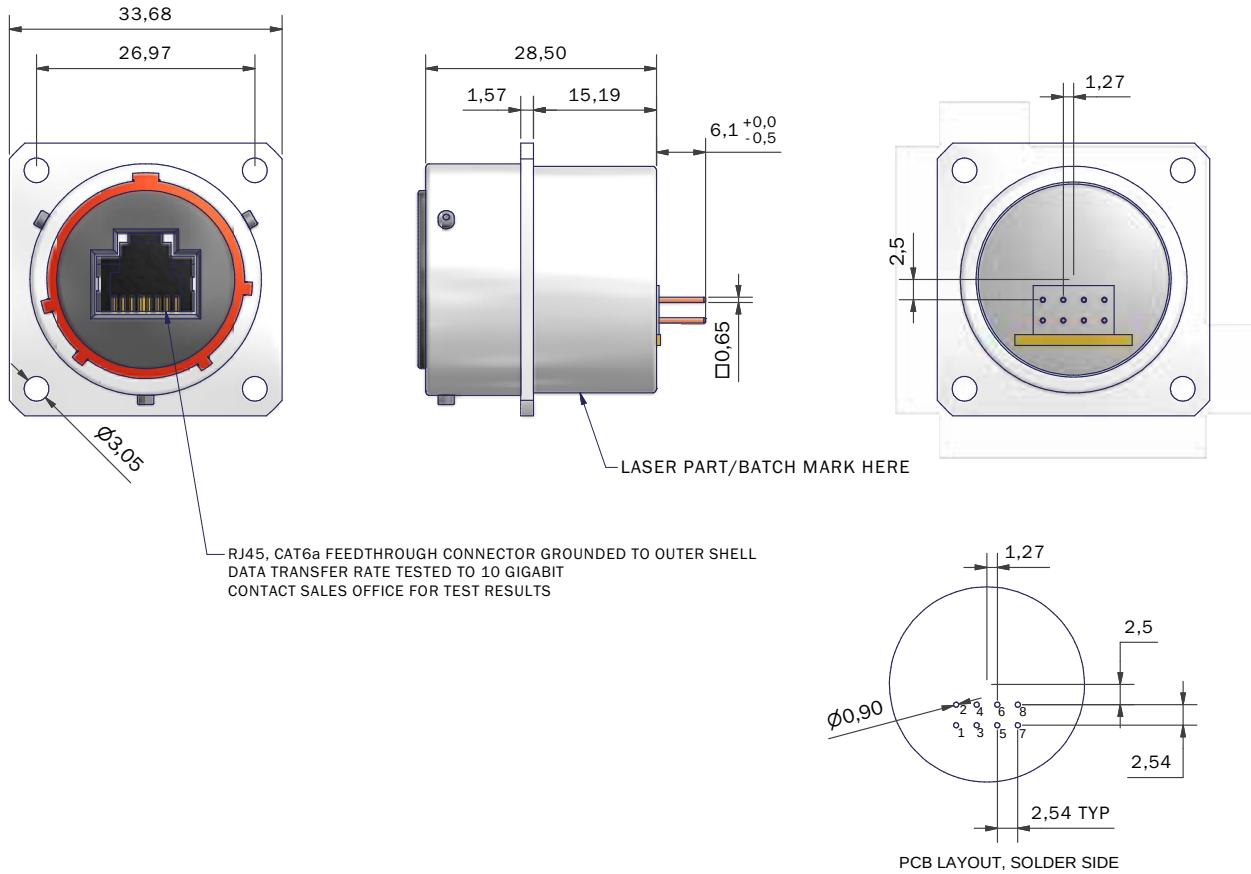
MIL-DTL-26482 Style RJ45 Cat6a Receptacle

PCB Receptacle, Square Flange

PC80076



Interconnect Solutions Worldwide



RJ45, CAT6a FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 10 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS

PCB LAYOUT, SOLDER SIDE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC80076-(H)02-18NY-1-C

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED
WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (Y - FIXED)
MATERIAL AND PLATING - SEE TABLE
PART NUMBER FOR UNGROUNDED VERSION: PC80076-02-18NY-1-B-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

1. LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

MIL-DTL-26482 Style RJ45 Cat6a Receptacle
Cabled Receptacle, Square Flange
PC80050



Interconnect Solutions Worldwide

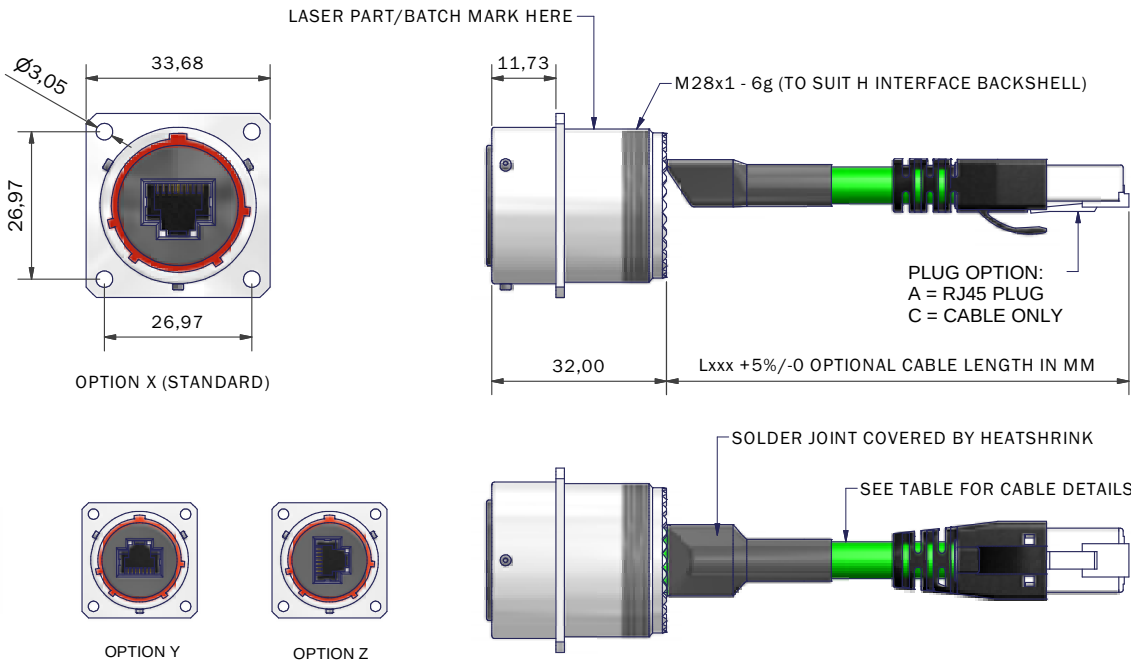
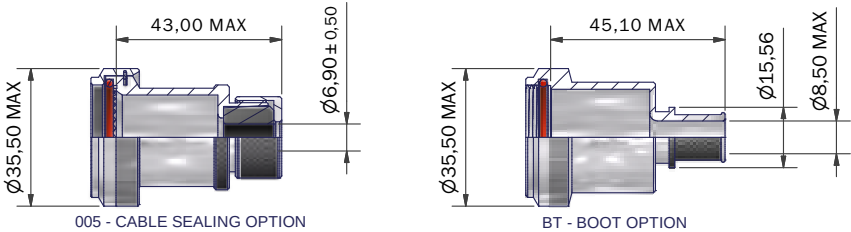


Table with 11 columns: DESCRIPTION, JACKET, OPERATING TEMPERATURE, OPERATING VOLTAGE, CHARACTERISTIC IMPEDANCE, BEND RAD, LOOP RESISTANCE, CAPACITANCE, FLAME RESISTANCE, OIL RESISTANCE, HALOGEN FREE. Row 1: CAT 7, PUR, -40°C TO +80°C, 30V AC, 100 ± 5Ω AT 100 Mhz, 31MM (ONCE) 62MM (MULTI), 290Ω/km, 45nF/km, IEC 60332-1, IEC 60811-2-1, IEC 60754-2

WIRED TO TIA/EIA 568B
PIN COLOUR
1 WHITE/ORANGE
2 ORANGE
3 WHITE/GREEN
4 BLUE
5 WHITE/BLUE
6 GREEN
7 WHITE/BROWN
8 BROWN



PC80050-(H)00-18NX-1-C-L150A(-BT)

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0
SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE (EXCLUDING CABLE)
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C
SEALING (UNMATED)
S - PRESSURE TESTED TO 1 BAR

SERIES
SEALING OPTION (SEE NOTES)
(SHOWN FOR STANDARD IP68 SEALED WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
OPTIONAL CABLE LENGTH IN MM
PLUG OPTION, A = PLUG FITTED, C = CABLE ONLY
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC80050-x00-18NX-1-C-L150A-U

Table with 2 columns: CODE, MATERIAL/PLATING. Rows include 1-C ALUMINIUM - ELECTROLESS NICKEL, 1-B ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL, 1-ZB ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL, 1-ZK ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL, 1-ZN ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL, 4-J STAINLESS STEEL - PASSIVATE, 2-Z NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS. SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

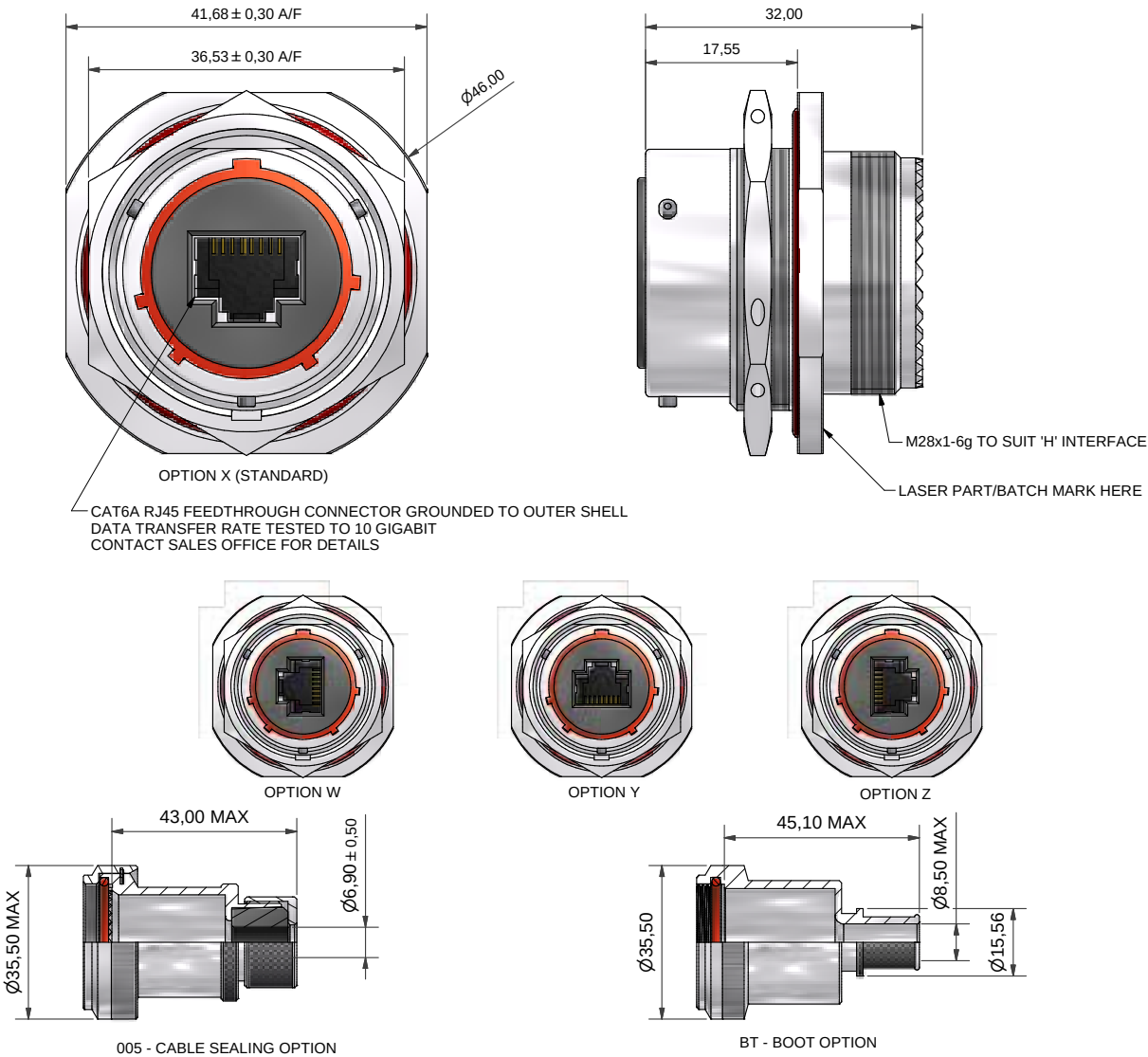
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MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Standard Feedthrough, Jam Nut
PC80010



Interconnect Solutions Worldwide



PC80010-07-18NX-1-C(-BT)

- SERIES
- SHELL STYLE
- SHELL SIZE
- KEY ARRANGEMENT (N, A, B, C, D, E, F)
- INSERT ROTATION (W, X, Y, Z)
- MATERIAL / PLATING (SEE TABLE)
- BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
- PART NUMBER FOR UNGROUNDED VERSION: PC80010-07-18NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

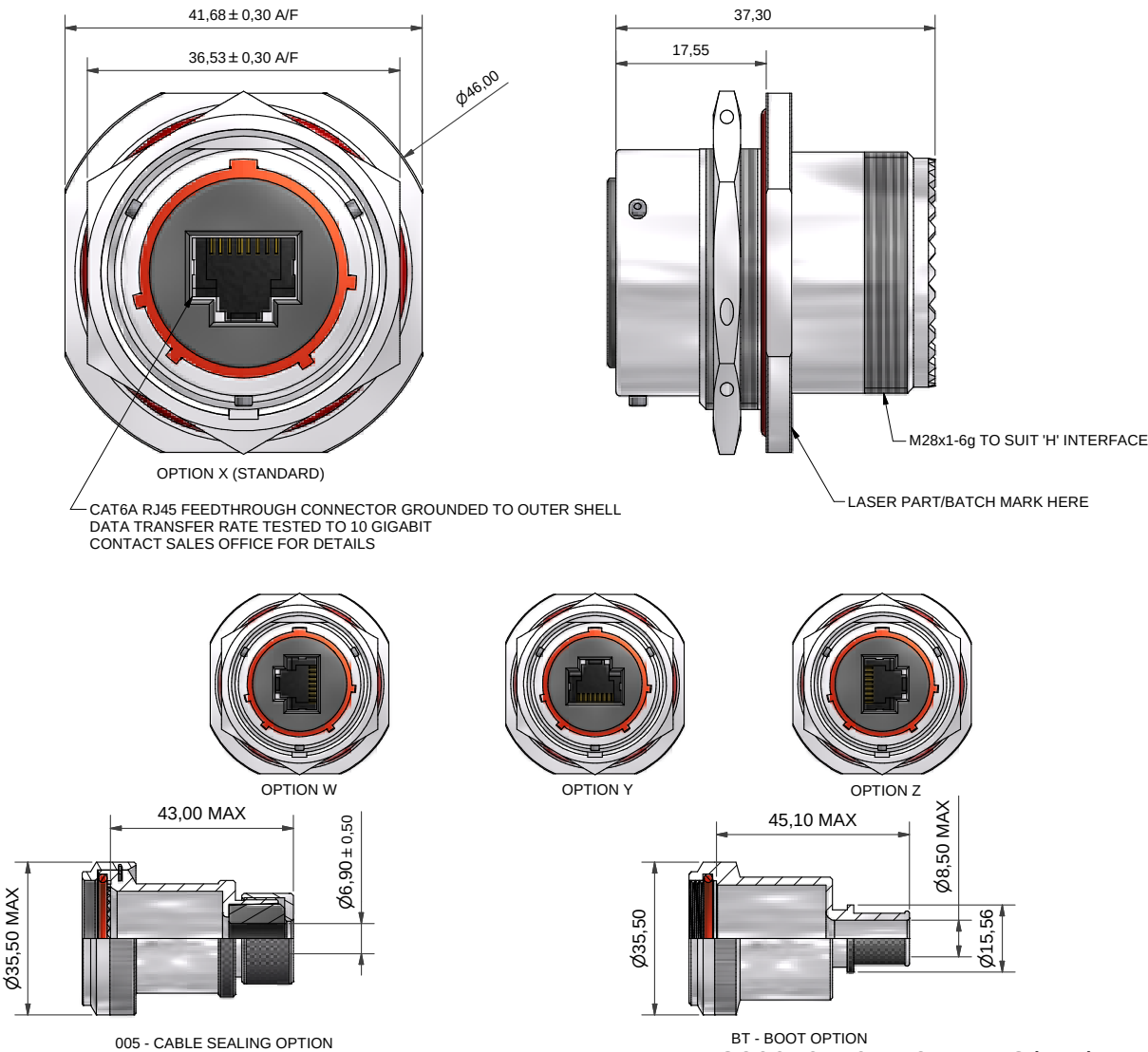
see page 43 for a range of accessories to fit this receptacle

MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Sealed Feedthrough, Jam Nut
PC80010



Interconnect Solutions Worldwide



PC80010-H07-18NX-1-C(-BT)

- SERIES
- SEALING OPTION (SEE NOTES)
- SHELL STYLE
- SHELL SIZE
- KEY ARRANGEMENT (N, A, B, C, D, E, F)
- INSERT ROTATION (W, X, Y, Z)
- MATERIAL / PLATING (SEE TABLE)
- BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)

PART NUMBER FOR UNGROUNDED VERSION: PC80010-07-18NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

see page 43 for a range of accessories to fit this receptacle

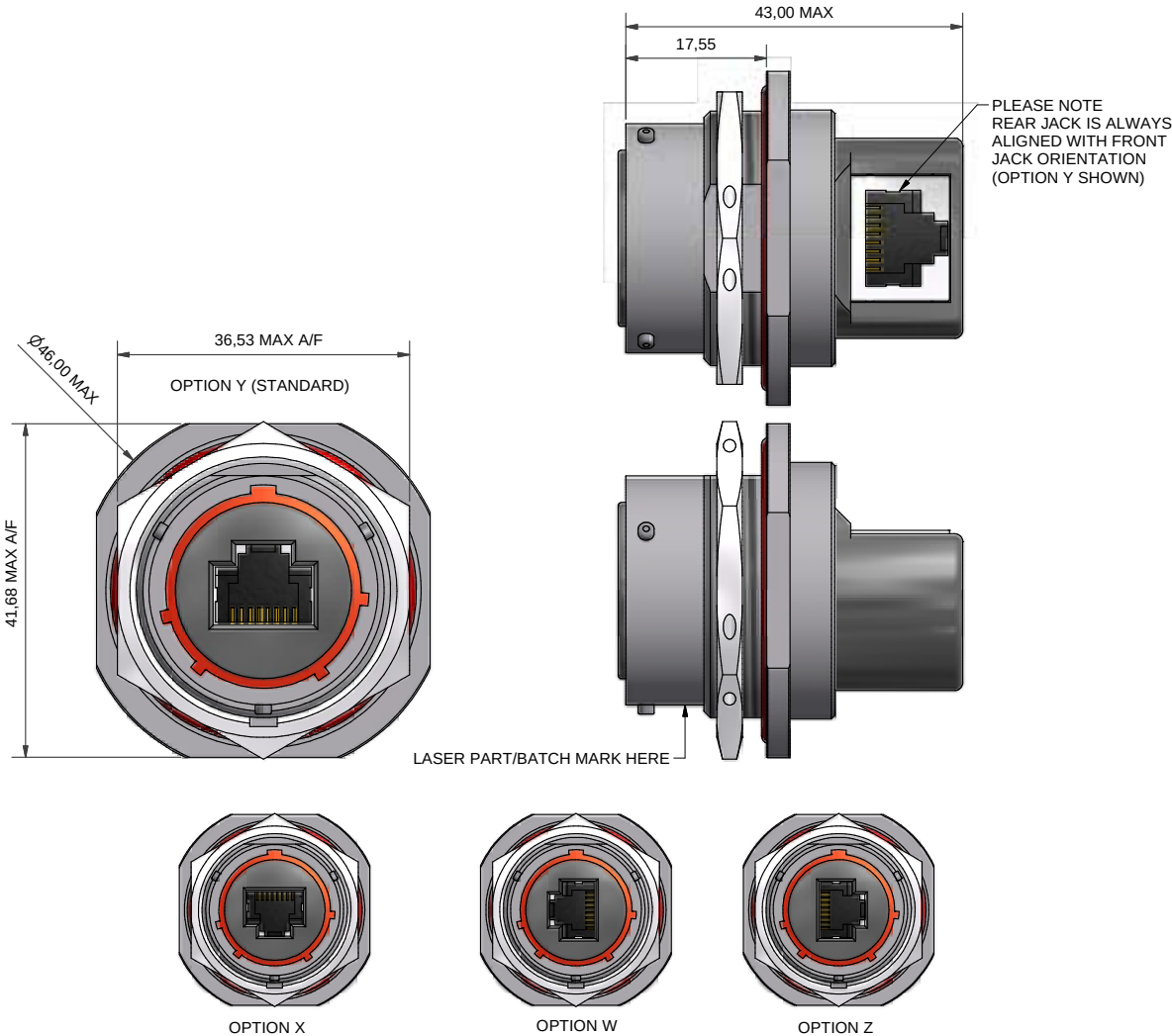
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MIL-DTL-26482 Style RJ45 Cat6a Receptacle

90° Feedthrough, Jam Nut
PC80059



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC80059-07-18NY-1-B

SERIES
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING (SEE TABLE)

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

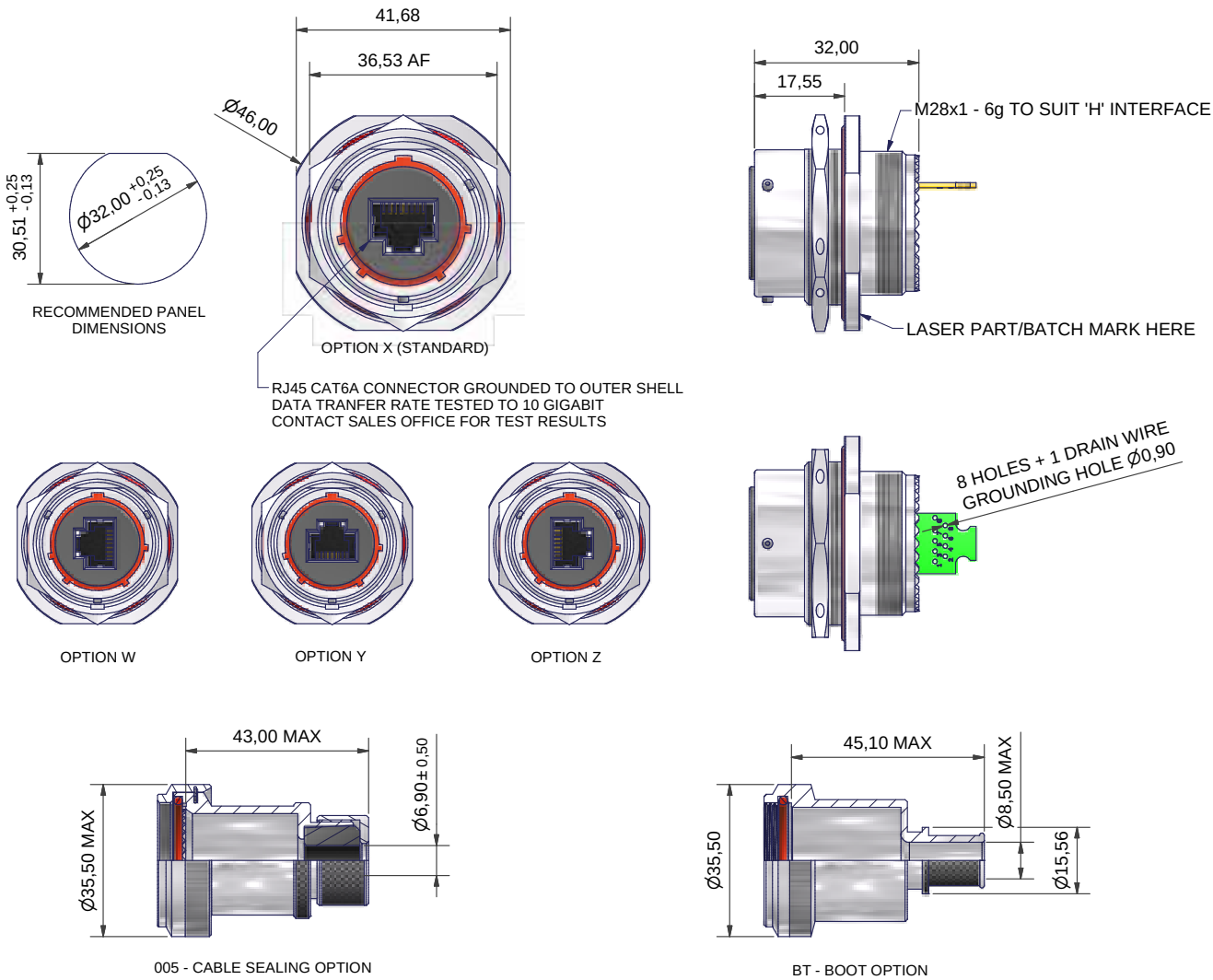
see page 43 for a range of accessories to fit this receptacle

MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Solder Receptacle, Jam Nut
PC80050



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC80050-(H)07-18NX-1-C-(BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC80050-x07-18NX-1-C-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE. FOR COMPREHENSIVE LIST AND SPECS. SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

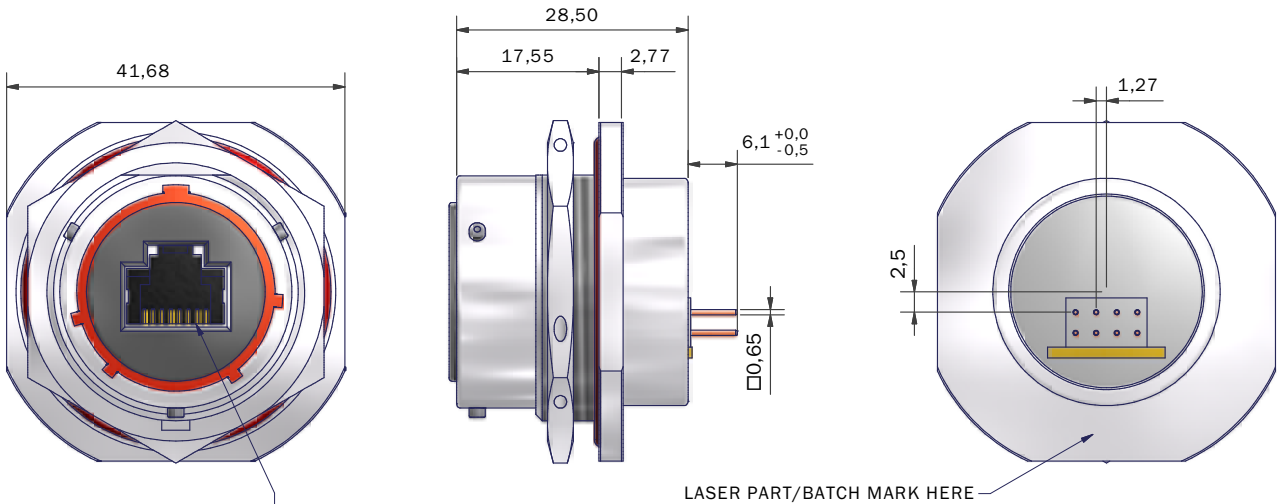
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MIL-DTL-26482 Style RJ45 Cat6a Receptacle

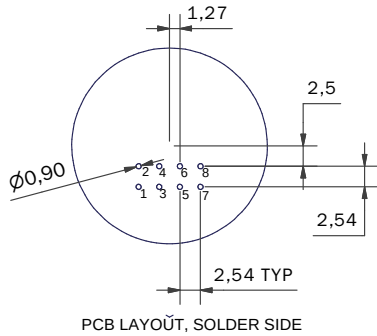
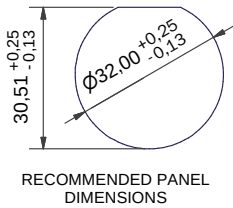
PCB Receptacle, Jam Nut
PC80076



Interconnect Solutions Worldwide



RJ45, CAT6a FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
DATA TRANSFER RATE TESTED TO 10 GIGABIT
CONTACT SALES OFFICE FOR TEST RESULTS



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0

PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC80076-(H)07-18NY-1-C

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ROTATION (Y - FIXED)
MATERIAL AND PLATING - SEE TABLE
PART NUMBER FOR UNGROUNDED VERSION: PC80076-07-18NY-1-B-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

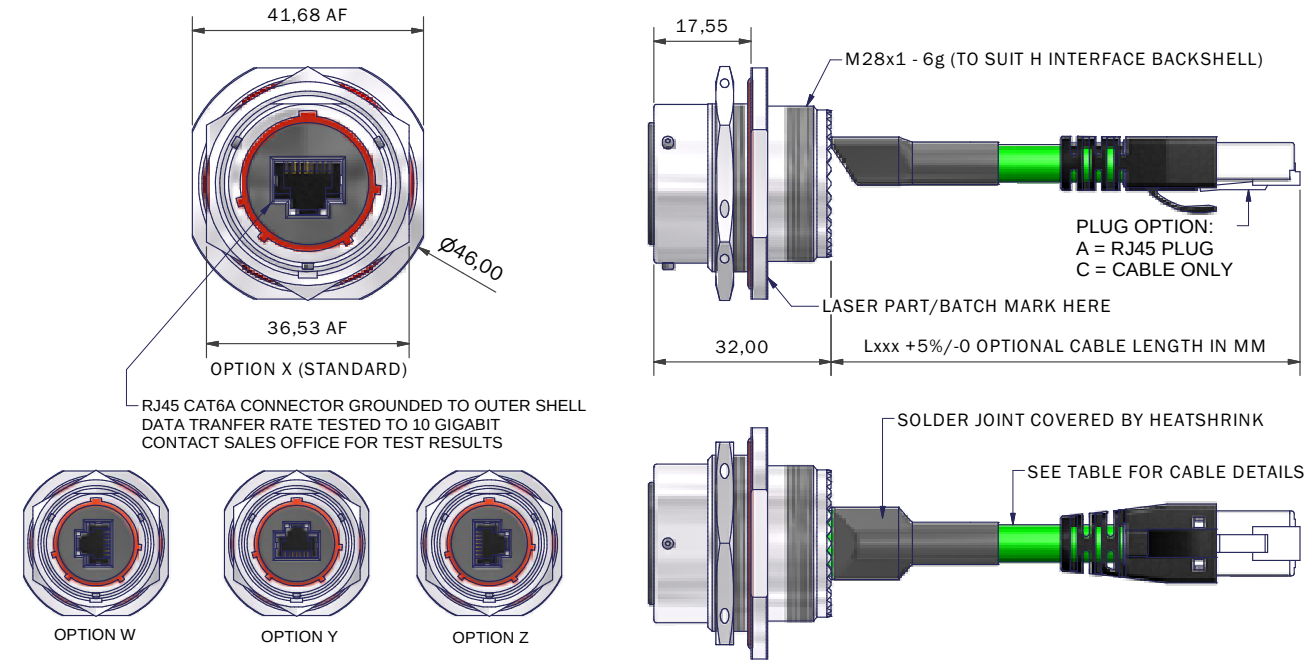
see page 43 for a range of accessories to fit this receptacle

MIL-DTL-26482 Style RJ45 Cat6a Receptacle

Cabled Receptacle, Jam Nut
PC80050

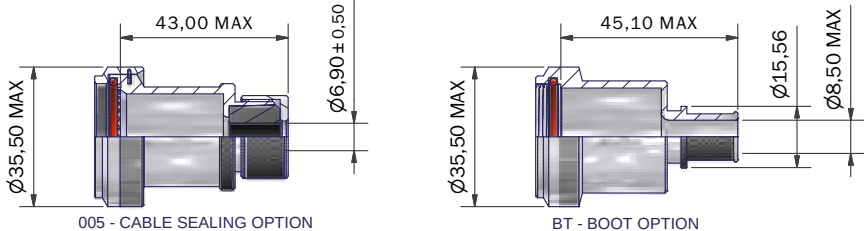


Interconnect Solutions Worldwide



DESCRIPTION	JACKET	OPERATING TEMPERATURE	OPERATING VOLTAGE	CHARACTERISTIC IMPEDANCE	BEND RAD	LOOP RESISTANCE	CAPACITANCE	FLAME RESISTANCE	OIL RESISTANCE	HALOGEN FREE
CAT 7	PUR	-40°C TO +80°C	30V AC	100 ± 5Ω AT 100 Mhz	31MM (ONCE) 62MM (MULTI)	290Ω/km	45nF/km	IEC 60332-1	IEC 60811-2-1	IEC 60754-2

WIRED TO TIA/EIA 568B	
PIN	COLOUR
1	WHITE/ORANGE
2	ORANGE
3	WHITE/GREEN
4	BLUE
5	WHITE/BLUE
6	GREEN
7	WHITE/BROWN
8	BROWN



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS COPPER WITH SELECTIVE GOLD PLATE
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE (EXCLUDING CABLE)
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +80°C

SEALING (UNMATED)

S - PRESSURE TESTED TO 1 BAR

PC80050-(H)07-18NX-1-C-L150A-(BT)

SERIES
SEALING OPTION (SEE NOTES)
(OMIT FOR STANDARD IP68 SEALED WHEN MATED)
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (W, X, Y, Z)
MATERIAL AND PLATING - SEE TABLE
OPTIONAL CABLE LENGTH IN MM
PLUG OPTION, A = PLUG FITTED, C = CABLE ONLY
BACKSHELL OPTION (005 = CABLE SEAL, BT = BOOT)
PART NUMBER FOR UNGROUNDED VERSION: PC80050-x07-18NX-1-C-L150A-U

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

see page 43 for a range of accessories to fit this receptacle

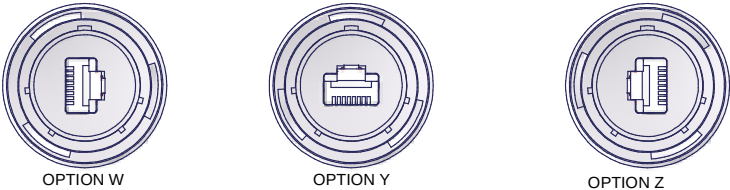
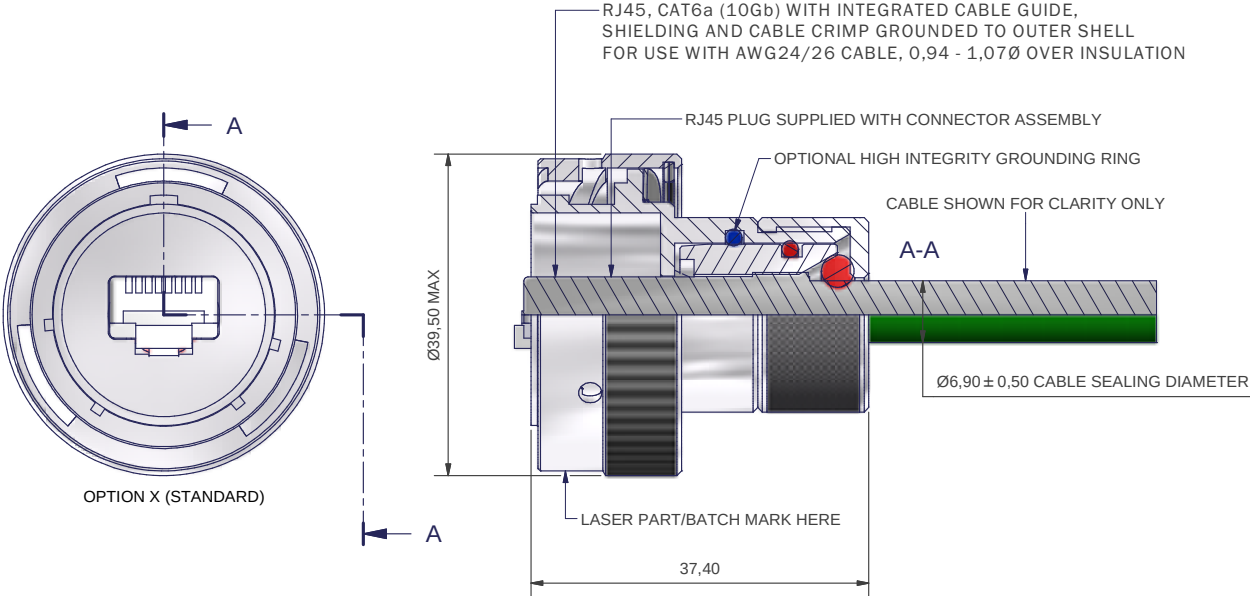
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MIL-DTL-26482 Style RJ45 Cat6a Plug

Standard Plug
PC80010



Interconnect Solutions Worldwide



FINISH
SEE TABLE
MATERIALS
RJ45
CONTACTS - COPPER ALLOY, SELECTIVE GOLD PLATING
SHIELDING - NICKEL PLATED BRASS
BODY - PBT, UL94V-0

SEAL - SILICONE ELASTOMER
PERFORMANCE
VOLTAGE RATING 50V DC / 35V AC
TEMPERATURE -40°C TO +120°C

PC80010-06-18NX-1-C(-H)

SERIES
SHELL STYLE
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E, F)
INSERT ORIENTATION OPTION (W, X, Y, Z)
MATERIAL AND PLATING (SEE TABLE)
HIGH INTEGRITY GROUNDING (OMIT FOR STANDARD)

CODE	MATERIAL/PLATING
1-C	ALUMINIUM - ELECTROLESS NICKEL
1-B	ALUMINIUM - CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM - ZINC COBALT, OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM - ZINC COBALT, BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM - ZINC NICKEL, BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL - PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE - SHOT BLAST

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

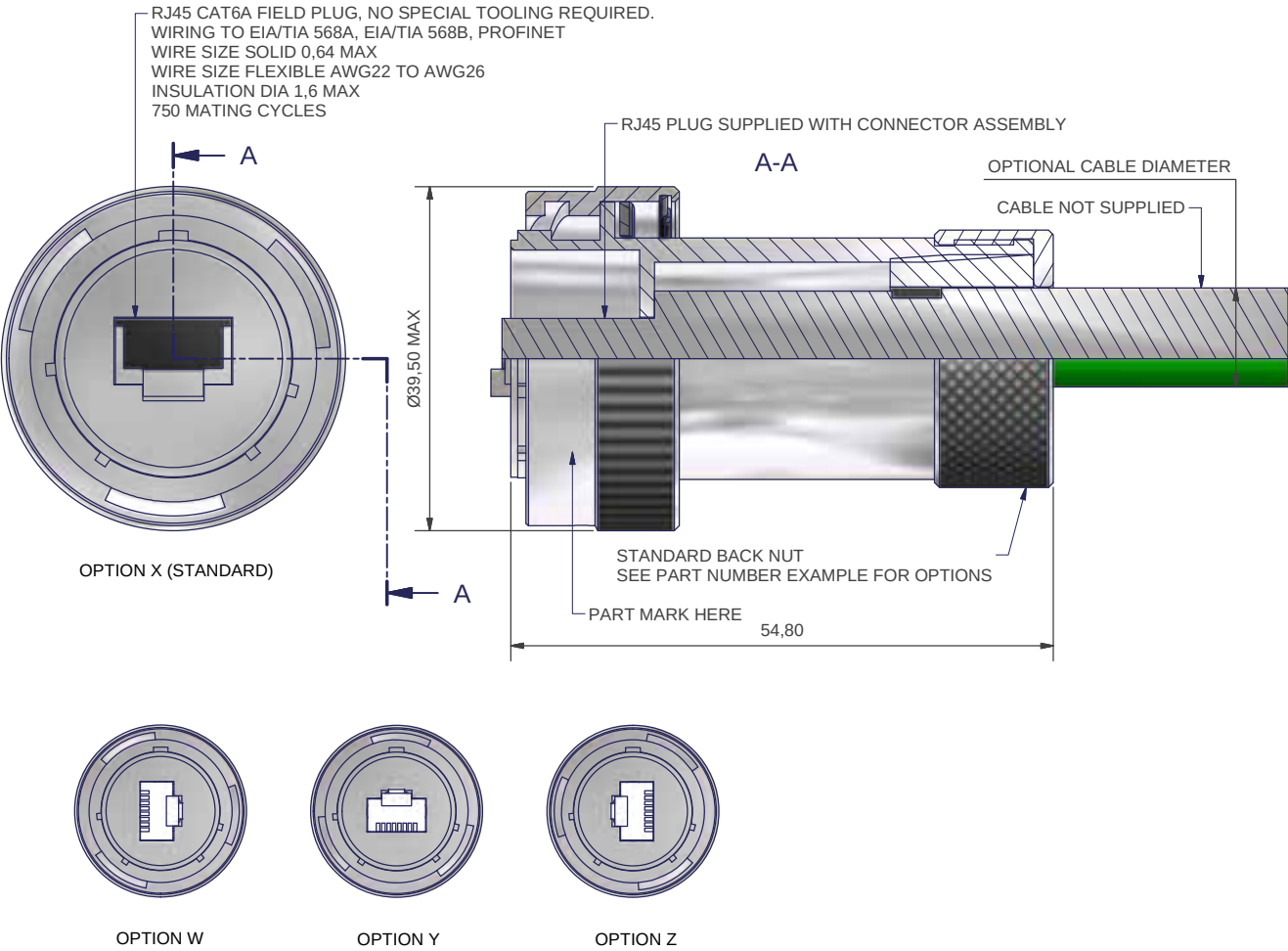
see page 43 for a range of accessories to fit this plug

MIL-DTL-26482 Style RJ45 Cat6a Plug

Field Plug
PC80043



Interconnect Solutions Worldwide



NOTES
GENERAL TO THE REQUIREMENTS OF MIL-DTL-26482

MATERIALS
SHELL-
SEE MATERIAL AND PLATING
OPTIONS SHEET
RJ45 PLUG-
CONTACTS SELECTIVE GOLD PLATING
HOUSING ZINC DIECAST

SEAL - SILICONE ELASTOMER

PERFORMANCE

TEMPERATURE -40°C TO +120°C

EXAMPLE PART NUMBER PC80043-06-18-09NX-1-C-BT	
PC80043-06 =	POLAMCO SERIES
18 =	SHELL SIZE
09 =	CABLE DIAMETER IN MM 0/-0,8 OPTIONS 08, 09, 10, 11
N =	ALTERNATE KEYING N, A, B, C, D, E
X =	INSERT ORIENTATION OPTION X, Y, Z, W
1 =	MATERIAL - SEE MATERIAL PLATING OPTIONS SHEET
C =	FINISH - SEE MATERIAL PLATING OPTIONS SHEET
BT =	OPTIONAL BACK NUT, CC = CABLE CLAMP, BT = BAND, 91 = SPRING

PART NUMBER FOR UNGROUNDED VERSION PC80043-06-18-09NX-1-C-U

see page 43 for a range of accessories to fit this plug

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Accessory Product Finder

Polamco offer a comprehensive range of protective accessories for plugs and receptacles providing increased protection and secure stowage of the free connectors when not in use.

Specifically designed and manufactured to combine the necessary high degrees of protection, ease of installation and security of location as demanded in modern environments. Available in styles to suit both Plugs and Receptacles built to the D38999 style and produced in-house at our advanced manufacturing facility in Bath.

Characteristics

- All parts machined from solid material for reliable strength and performance
- Compatible with Mil-Spec dimensions
- Wide choice of lanyard options
- Arctic grip option available
- Gasket material options available



MIL-DTL-38999 Style Accessories	MIL-Spec Equivalent	Standard	Arctic Grip	Anti-Decoupling	Lock/Tamper Proof	Elastomer
Protective Cover: Receptacle	✱	p44	p46	p48	p50	p52
Protective Cover: Plug	✱	p54	p56			
	Square Flange	Dummy Plug	Dummy Receptacle (with hole)	*Please contact our sales team for further information regarding these products.		
Dummy Receptacle	p58	p59	p60			
	Cat5	Cat6a	Cat6a Field Plug			
Spare Plugs	p64	p65	p66			
Blanking Cover	p61					
Tooling Options	p63					

Receptacle Protection Cover - Standard

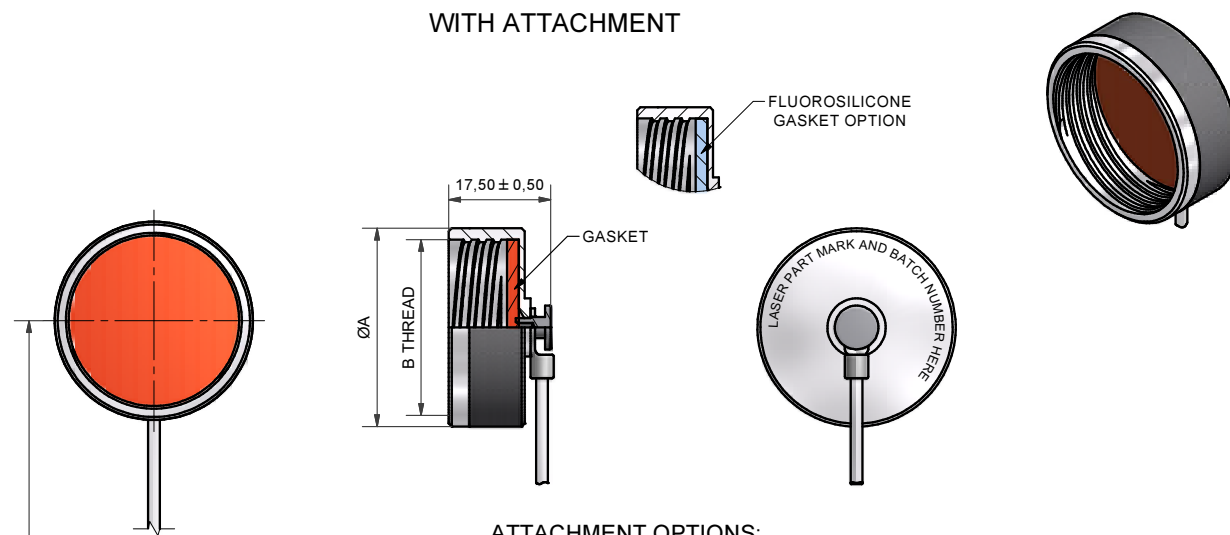
MIL-DTL-38999 Style Series III / EN3645

Interfaces H

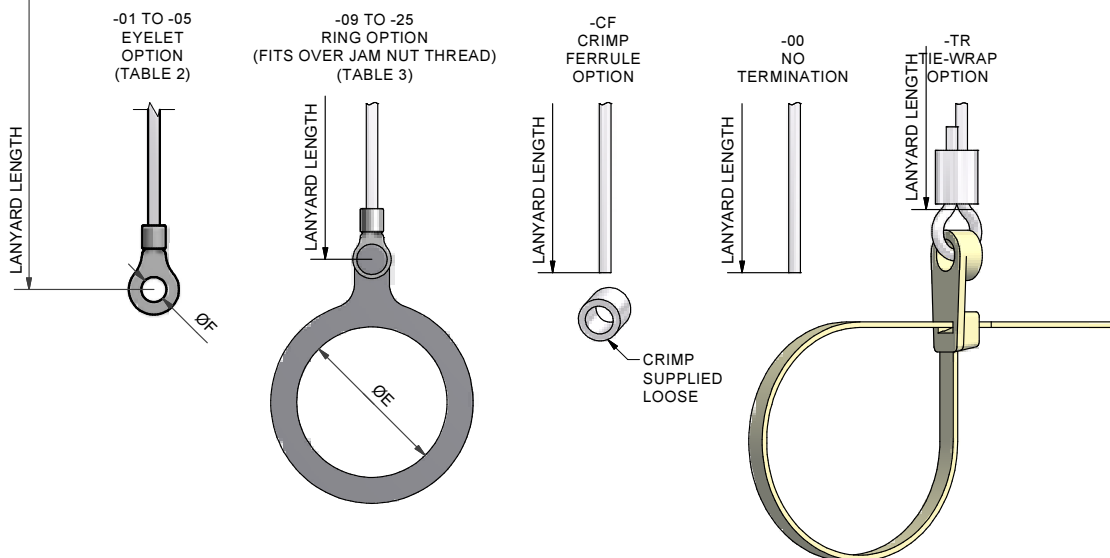


Interconnect Solutions Worldwide

WITH ATTACHMENT



ATTACHMENT OPTIONS:



OMIT FOR NO ATTACHMENT
(SEE SHEET 2)

100P160-17-1-C-WR4-17

SERIES
INSERT 'F' FOR
FLUOROSILICONE GASKET
OMIT FOR STANDARD
SILICONE GASKET
SHELL SIZE (TABLE 1)
MATERIAL (TABLE 5)
FINISH (TABLE 6)
LANYARD TYPE (TABLE 4)
LANYARD LENGTH (IN INCHES)
+1,0"/-0" TOLERANCE
ATTACHMENT (SEE ABOVE)

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Receptacle Protection Cover - Standard

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	ØA MAX	B THREAD
09	21,0	0.625-0.1P-0.3L-TS
11	24,5	0.750-0.1P-0.3L-TS
13	28,0	0.875-0.1P-0.3L-TS
15	30,0	1.000-0.1P-0.3L-TS
17	34,0	1.1875-0.1P-0.3L-TS
19	37,0	1.250-0.1P-0.3L-TS
21	40,0	1.375-0.1P-0.3L-TS
23	43,0	1.500-0.1P-0.3L-TS
25	47,0	1.625-0.1P-0.3L-TS

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	ØE MAX
09	18,0
11	21,4
13	25,8
15	28,8
17	32,0
19	35,0
21	38,3
23	41,7
25	44,6

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

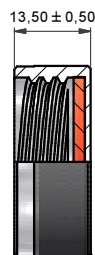
CODE	MATERIAL	GASKET MATERIAL
1	ALUMINIUM	SILICONE
2	NICKEL ALUMINIUM BRONZE	SILICONE
4	STAINLESS STEEL	VITON
7	BLACK ACETAL	SILICONE
74	COMPOSITE	SILICONE

TABLE 6

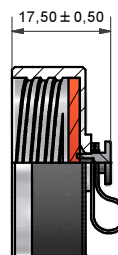
PLATING CODE	PLATING DESCRIPTION	ROHS COMPLIANT	ENVIRONMENT PROTECTION/ CONDUCTIVITY
B	CADMIUM, OLIVE DRAB (5-10 MICRONS) QQ-P-416, TYPE II, CLASS 3 OVER ELECTROLESS NICKEL	YES (SUBJECT TO EXEMPTION)	CONDUCTIVE 500 HRS SALT SPRAY. EXEMPTION APPLICABLE FOR AEROSPACE / MILITARY APPLICATIONS. SEE ROHS WEBSITES FOR MORE INFORMATION.
C	ELECTROLESS NICKEL, AMS-C-26074, CLASS 4, GRADE B	YES	CONDUCTIVE
J	PASSIVATE, PER QQ-P-35 OR MI-S-5002	YES	ROHS COMPLIANT
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED	YES	CONDUCTIVE
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH	YES	CONDUCTIVE
ZB	ZINC COBALT (5-10 MICRONS) OVER ELECTROLESS NICKEL (2,5-7,5 MICRONS) WITH A OLIVE DRAB CHROMATE CONVERSION	YES	CONDUCTIVE 350 HRS SALT SPRAY
ZN	ZINC NICKEL BLACK PASSIVATE (5-12 MICRONS) OVER ELECTROLESS NICKEL (8-12 MICRONS), ASTM B 841 CLASS 1	YES (SUBJECT TO TESTING)	ROHS COMPLIANT (SUBJECT TO TESTING)

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



100P160-17-1-C
NO ATTACHMENT VERSION



100P160-17-1-C-EO
EYELET ONLY VERSION
(NO LANYARD)

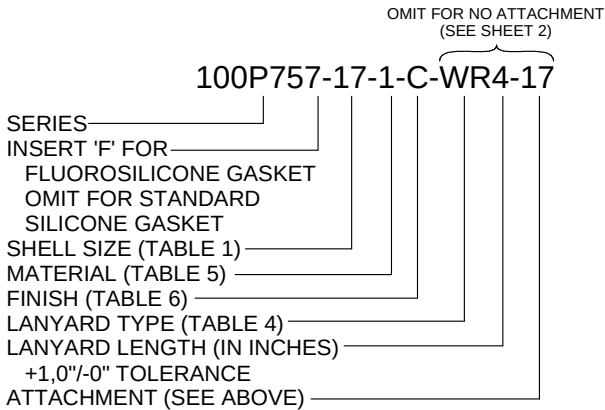
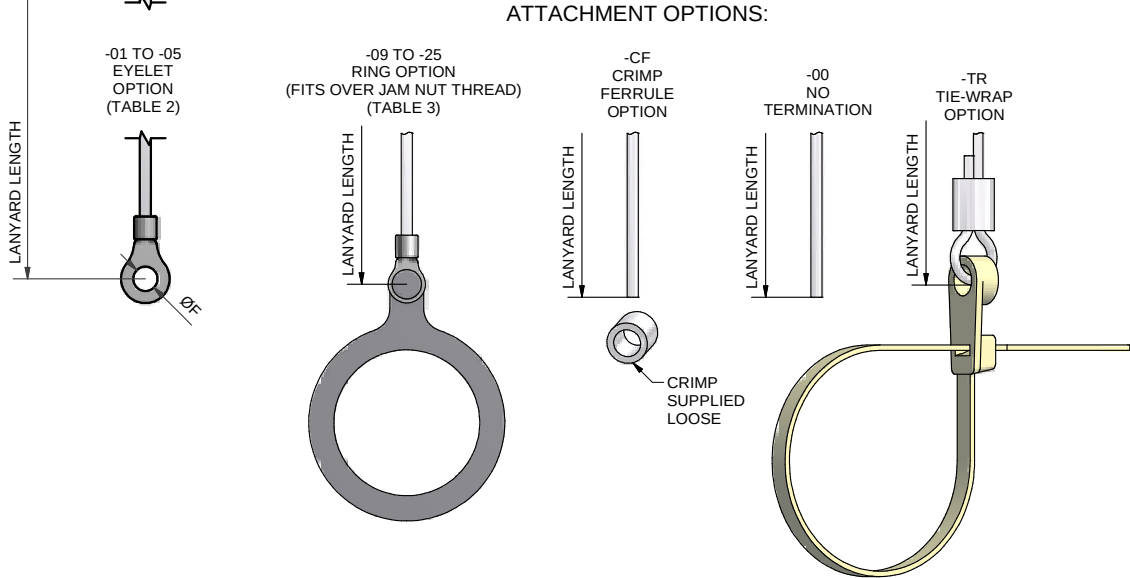
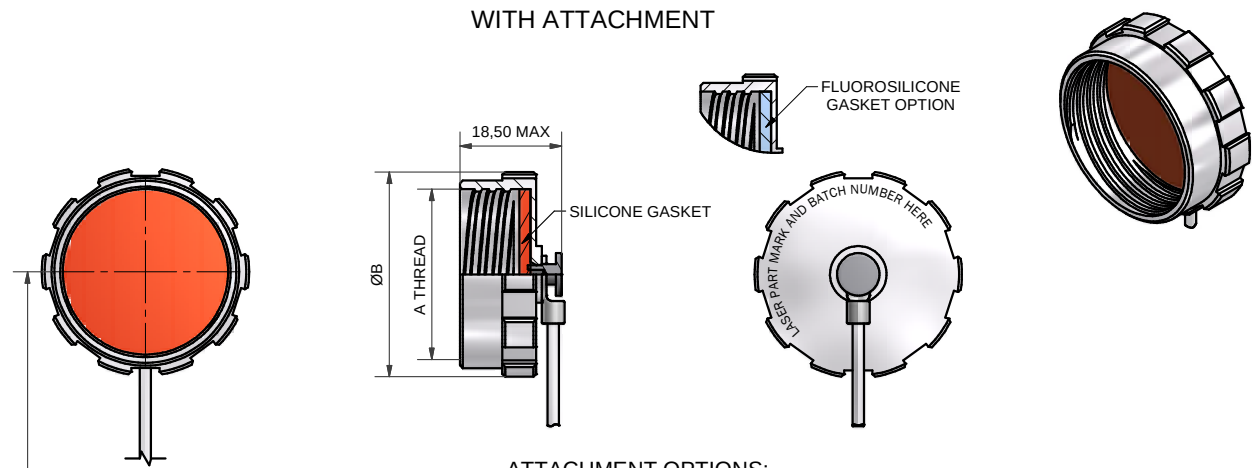
Receptacle Protection Cover - Arctic Grip

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



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Receptacle Protection Cover - Arctic Grip

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	A THREAD	ØB MAX
09	0.6250-0.1P-0.3L-TS	23,7
11	0.7500-0.1P-0.3L-TS	27,2
13	0.8750-0.1P-0.3L-TS	30,7
15	1.0000-0.1P-0.3L-TS	32,7
17	1.1875-0.1P-0.3L-TS	36,7
19	1.2500-0.1P-0.3L-TS	39,7
21	1.3750-0.1P-0.3L-TS	42,7
23	1.5000-0.1P-0.3L-TS	45,7
25	1.6250-0.1P-0.3L-TS	49,7

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	ØE MAX
09	18,0
11	21,4
13	25,8
15	28,8
17	32,0
19	35,0
21	38,3
23	41,7
25	44,6

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

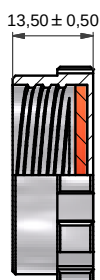
CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL
7	BLACK ACETAL
74	COMPOSITE

TABLE 6

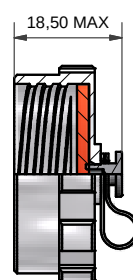
CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



100P757-17-1-C
NO ATTACHMENT VERSION



100P757-17-1-C-EO
EYELET ONLY VERSION
(NO LANYARD)

Receptacle Protection Cover - Anti-Decoupling

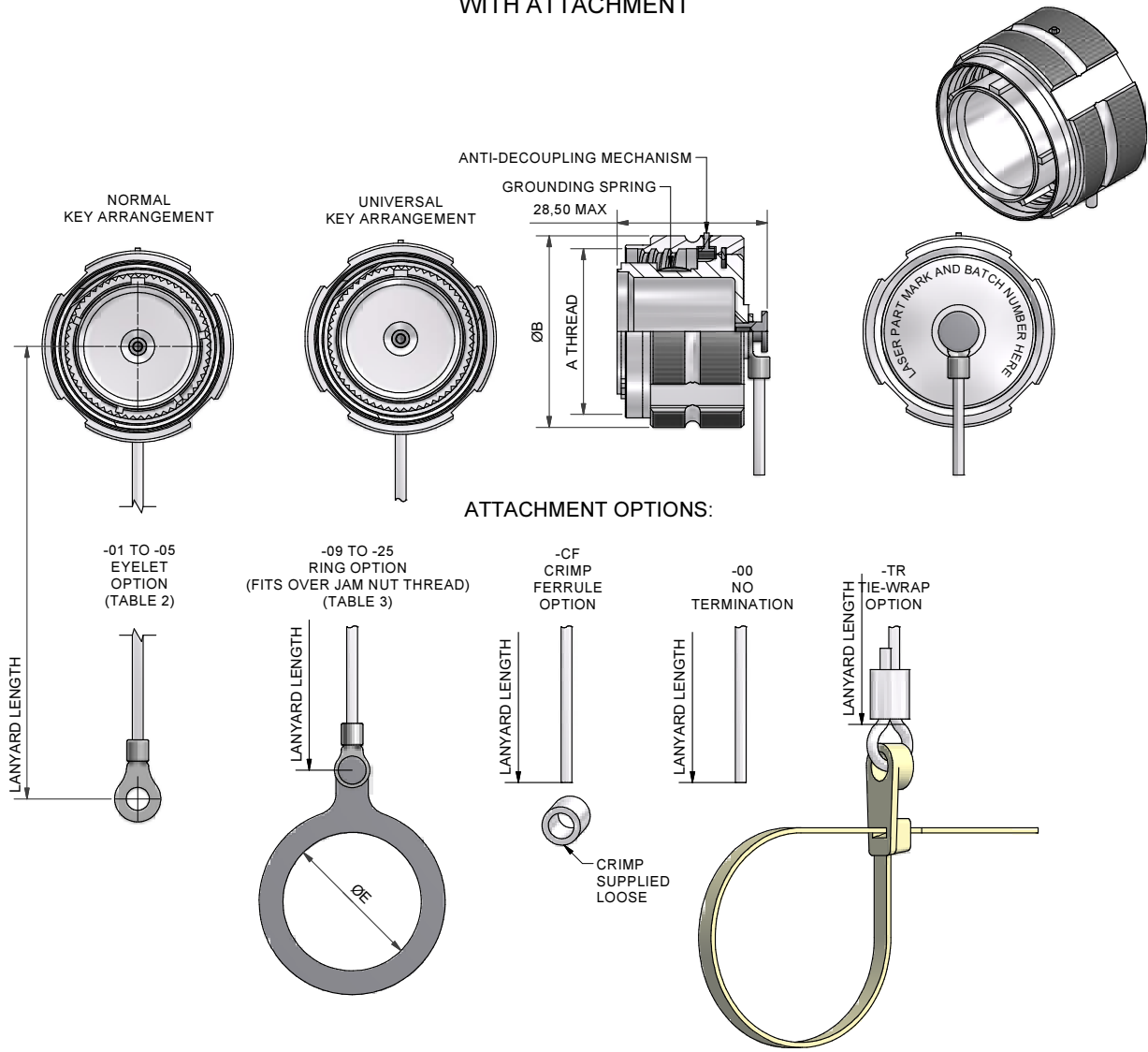
MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

WITH ATTACHMENT



OMIT FOR NO ATTACHMENT
(SEE SHEET 2)

PRC433-17U-1-C-AD-WR4-17

- SERIES
- SHELL SIZE (TABLE 1)
- KEY ARRANGEMENT
(N, A, B, C, D, E) OR U (UNIVERSAL)
- MATERIAL
- FINISH
- ANTI-DECOUPLING
- LANYARD TYPE (TABLE 4)
- LANYARD LENGTH (IN INCHES)
+1,0"/-0" TOLERANCE
- ATTACHEMENT REF (NOTE 1)

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Receptacle Protection Cover - Anti-Decoupling

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	A THREAD	ØB MAX
09	0.6250-0.1P-0.3L-TS	21,8
11	0.7500-0.1P-0.3L-TS	25,0
13	0.8750-0.1P-0.3L-TS	29,4
15	1.0000-0.1P-0.3L-TS	32,5
17	1.1875-0.1P-0.3L-TS	35,7
19	1.2500-0.1P-0.3L-TS	38,5
21	1.3750-0.1P-0.3L-TS	41,7
23	1.5000-0.1P-0.3L-TS	44,9
25	1.6250-0.1P-0.3L-TS	48,0

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	ØE MAX
09	18,0
11	21,4
13	25,8
15	28,8
17	32,0
19	35,0
21	38,3
23	41,7
25	44,6

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

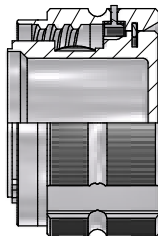
CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL

TABLE 6

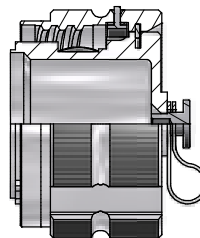
CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



PRC433-17N-1-C-AD
NO ATTACHMENT VERSION



PRC433-17N-1-C-AD-EO
EYELET ONLY VERSION
(NO LANYARD)

Receptacle Protection Cover - Lock/Tamper Proof

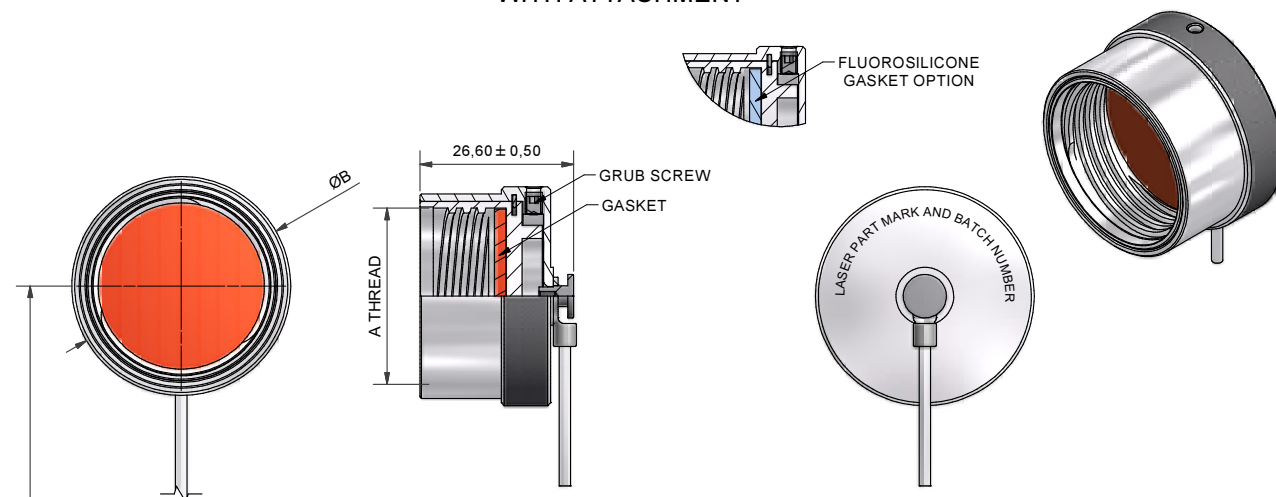
MIL-DTL-38999 Style Series III / EN3645

Interfaces H

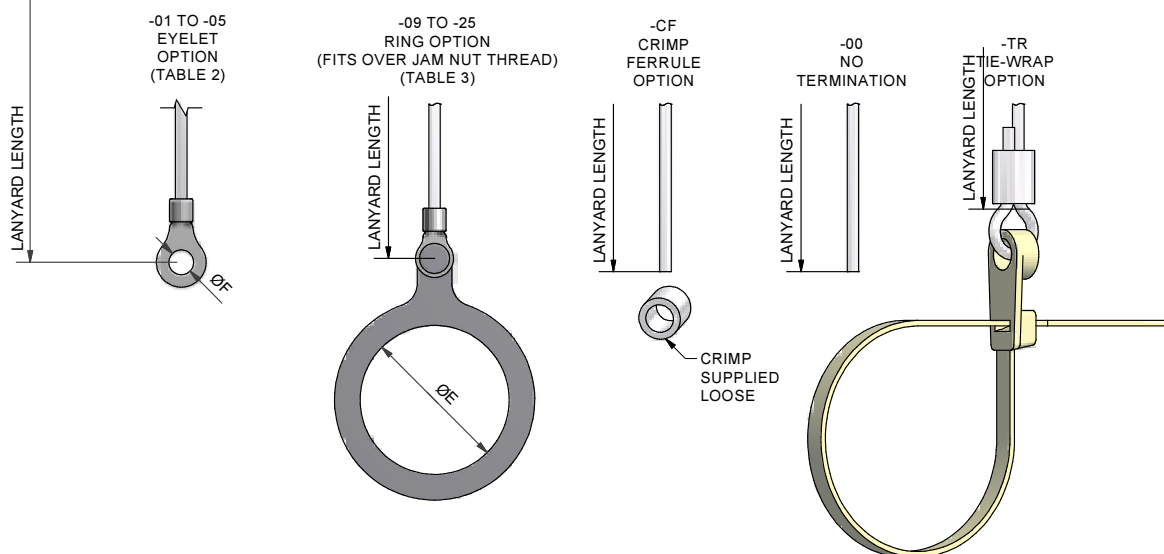


Interconnect Solutions Worldwide

WITH ATTACHMENT



ATTACHMENT OPTIONS:



OMIT FOR NO ATTACHMENT
(SEE SHEET 2)

PRC433TL-17-1-C-WR4-CF

SERIES
TAMPER-LOCK
INSERT 'F' FOR
FLUOROSILICONE GASKET
OMIT FOR STANDARD
SILICONE GASKET
SHELL SIZE (TABLE 1)
MATERIAL (TABLE 5)
FINISH (TABLE 6)
LANYARD TYPE (TABLE 4)
LANYARD LENGTH (IN INCHES)
+1,0"/-0" TOLERANCE
ATTACHMENT (SEE ABOVE)



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Receptacle Protection Cover - Lock/Tamper Proof

MIL-DTL-38999 Style Series III/ EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	A THREAD	ØB MAX	RING REF.
09	0.625-0.1P-0.3L-TS	22,6	09
11	0.750-0.1P-0.3L-TS	26,1	11
13	0.875-0.1P-0.3L-TS	29,3	13
15	1.000-0.1P-0.3L-TS	32,5	15
17	1.1875-0.1P-0.3L-TS	37,9	17
19	1.250-0.1P-0.3L-TS	38,8	19
21	1.375-0.1P-0.3L-TS	42,0	21
23	1.500-0.1P-0.3L-TS	45,5	23
25	1.625-0.1P-0.3L-TS	50,3	25

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	ØE MAX
09	18,0
11	21,4
13	25,8
15	28,8
17	32,0
19	35,0
21	38,3
23	41,7
25	44,6

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

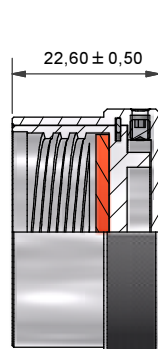
CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL

TABLE 6

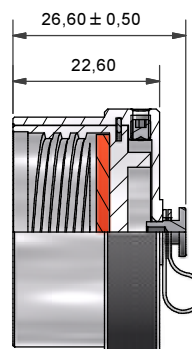
CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



PRC433TL-17-1-C
NO ATTACHMENT VERSION



PRC433TL-17-1-C-EO
EYELET ONLY VERSION
(NO LANYARD)

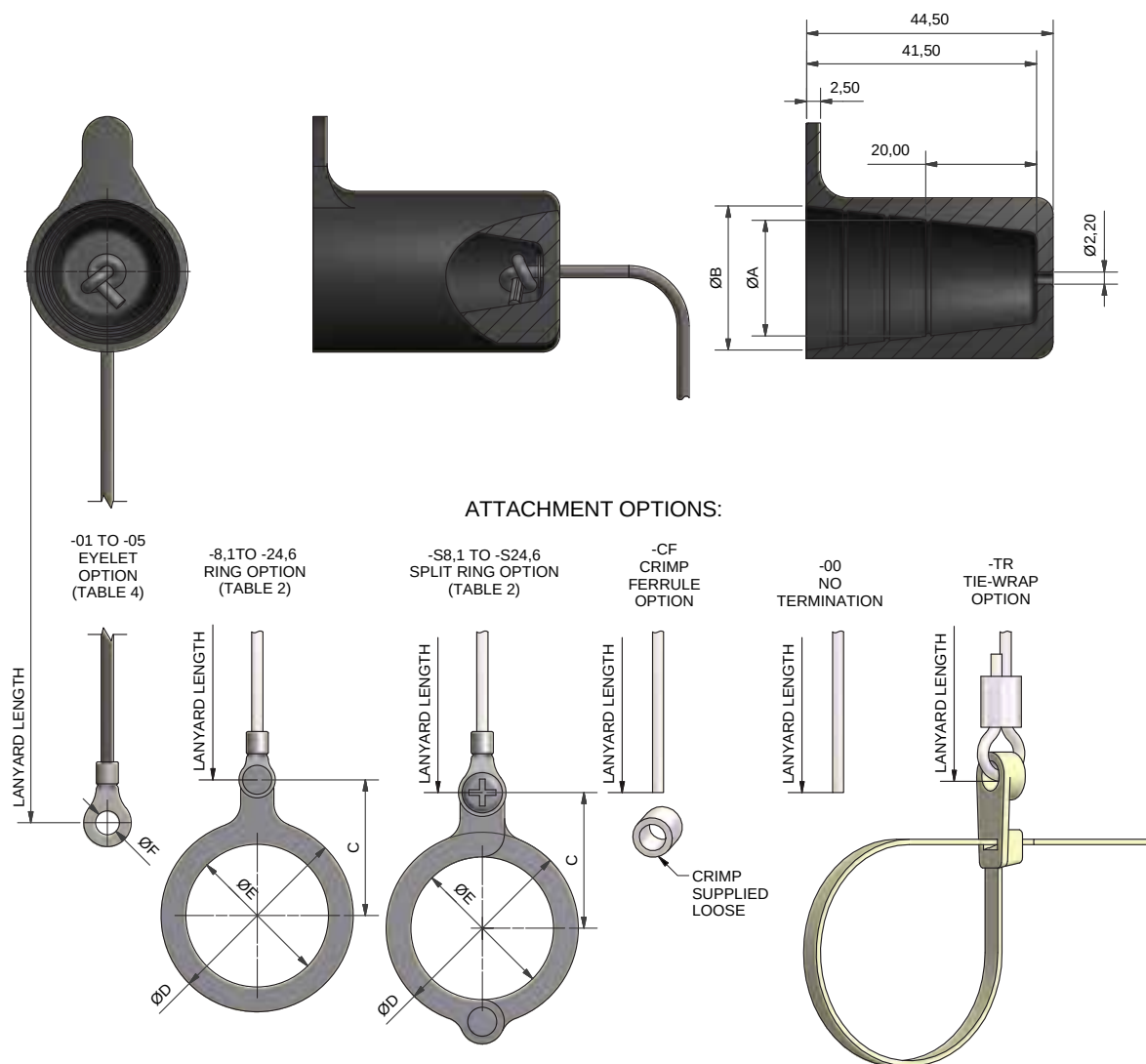
Receptacle Protection Cover - Elastomer

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide



100P3188-21-SB-R4-11,9

SERIES
SIZE (SEE TABLE 1)
CAP MATERIAL (SEE TABLE 3)
LANYARD TYPE (SEE TABLE 5)
LANYARD LENGTH (IN INCHES)
ATTACHMENT REF (SEE ABOVE)

Receptacle Protection Cover - Elastomer

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

CAP SIZE	ØA	ØB
11	11,0	16,0
14	14,0	19,0
18	18,0	23,0
21	21,0	26,0
24	24,0	29,0
27	27,0	32,0
30	30,0	37,0
34	34,0	41,0
38	38,0	45,0
41	41,0	48,0
46	46,0	53,0
53	53,0	60,0
58	58,0	65,0
60	60,0	67,0
70	70,0	77,0

TABLE 2

RING REF	SLIT RING REF.	ØE	ØD	C
8,1	S8,1	8,1	11,0	13,0
9,1	S9,1	9,1	12,0	13,5
10,0	S10,0	10,1	14,0	14,0
11,9	S11,9	11,9	21,0	13,5
12,6	S12,6	12,6	16,0	10,4
15,1	S15,1	15,1	24,0	15,0
16,1	S16,1	16,1	22,0	15,0
18,0	S18,0	18,0	26,7	20,5
19,4	S19,4	19,4	28,2	19,1
21,4	S21,4	21,4	30,4	18,0
22,6	S22,6	22,6	31,7	23,0
23,0	S23,0	23,0	30,5	22,0
24,6	S24,6	24,6	33,6	20,0

TABLE 3

SB	SILICONE - COLOUR BLACK
----	-------------------------

TABLE 4

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 5

CODE	LANYARD TYPE
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

TABLE 6

CAP SIZE	PLUG		RECEPTACLE	
	26482	38999 III	26482	38999 III
11			8, 10	9
14	8		12	11, 13
18	10	9	14	15
21	12	11	16	
24	14	13	18	17
27	16	15	20	19, 21
30	18	17	22	23
34	20, 22	19, 21	24	25
38	24	23		
41		25		

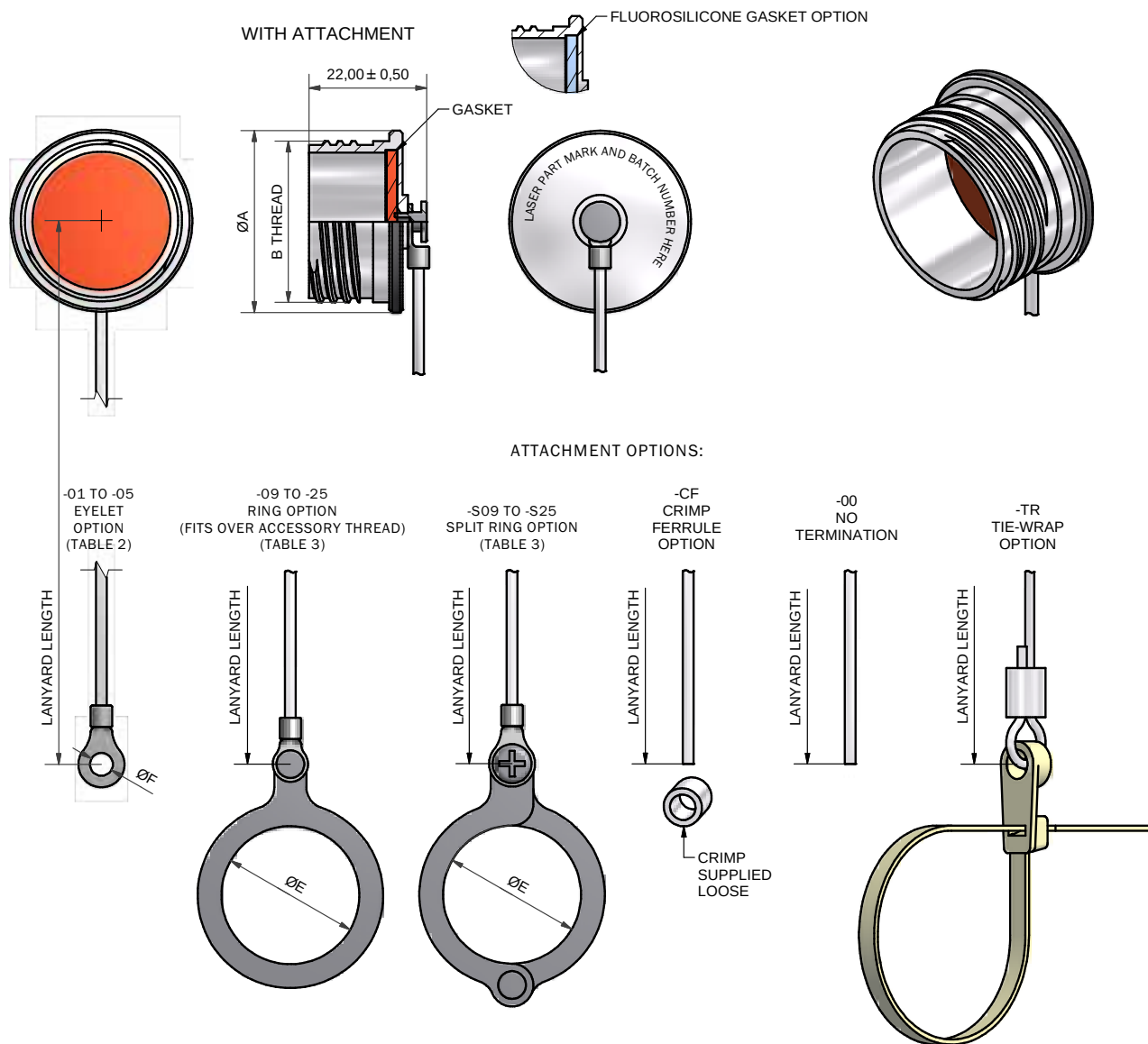
Plug Protection Cover - Standard

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide



OMIT FOR NO ATTACHMENT (SEE SHEET 2)

100P237-17-1-C-WR4-17

SERIES _____

INSERT 'F' FOR FLUROSILICONE GASKET
OMIT FOR STANDARD SILICONE GASKET

SHELL SIZE (TABLE 1) _____

MATERIAL (TABLE 5) _____

FINISH (TABLE 6) _____

LANYARD TYPE (TABLE 4) _____

LANYARD LENGTH (IN INCHES) _____

+1,0"/-0" TOLERANCE

ATTACHMENT (SEE ABOVE) _____

Plug Protection Cover - Standard

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	ØA MAX	B THREAD
09	21,0	0.625-0.1P-0.3L-TS
11	24,5	0.750-0.1P-0.3L-TS
13	28,0	0.875-0.1P-0.3L-TS
15	30,0	1.000-0.1P-0.3L-TS
17	34,0	1.1875-0.1P-0.3L-TS
19	37,0	1.250-0.1P-0.3L-TS
21	40,0	1.375-0.1P-0.3L-TS
23	43,0	1.500-0.1P-0.3L-TS
25	47,0	1.625-0.1P-0.3L-TS

TABLE 2

EYELET REF.	F
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	SPLIT RING REF.	E
09	S09	15,1
11	S11	18,0
13	S13	19,4
15	S15	22,6
17	S17	25,8
19	S19	28,8
21	S21	32,0
23	S23	34,1
25	S25	40,1

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

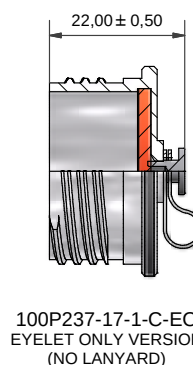
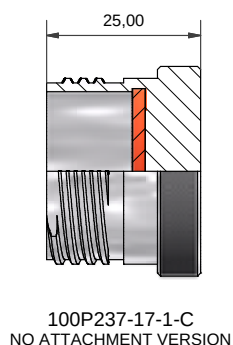
CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL
7	BLACK ACETAL
74	COMPOSITE

TABLE 6

CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



Plug Protection Cover - Arctic-Grip

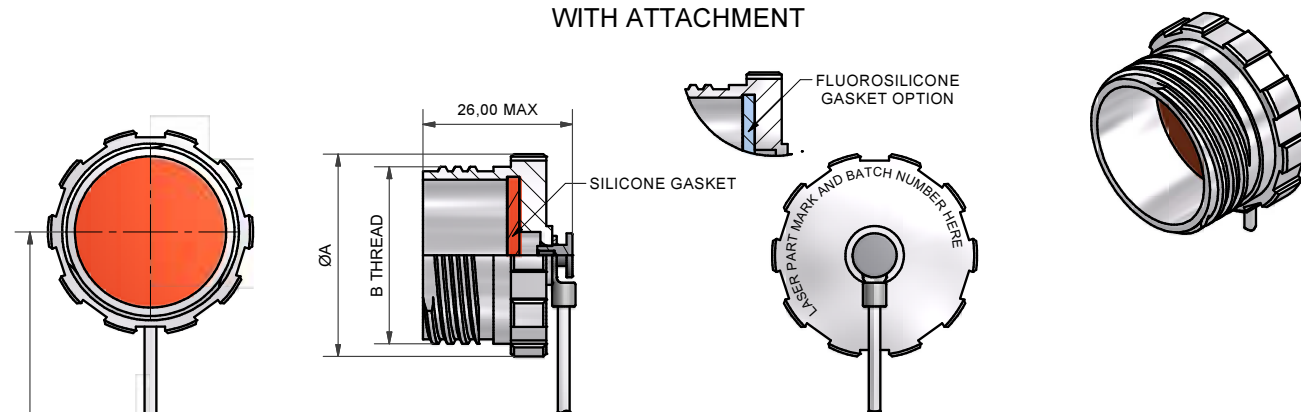
MIL-DTL-38999 Style Series III / EN3645

Interfaces H

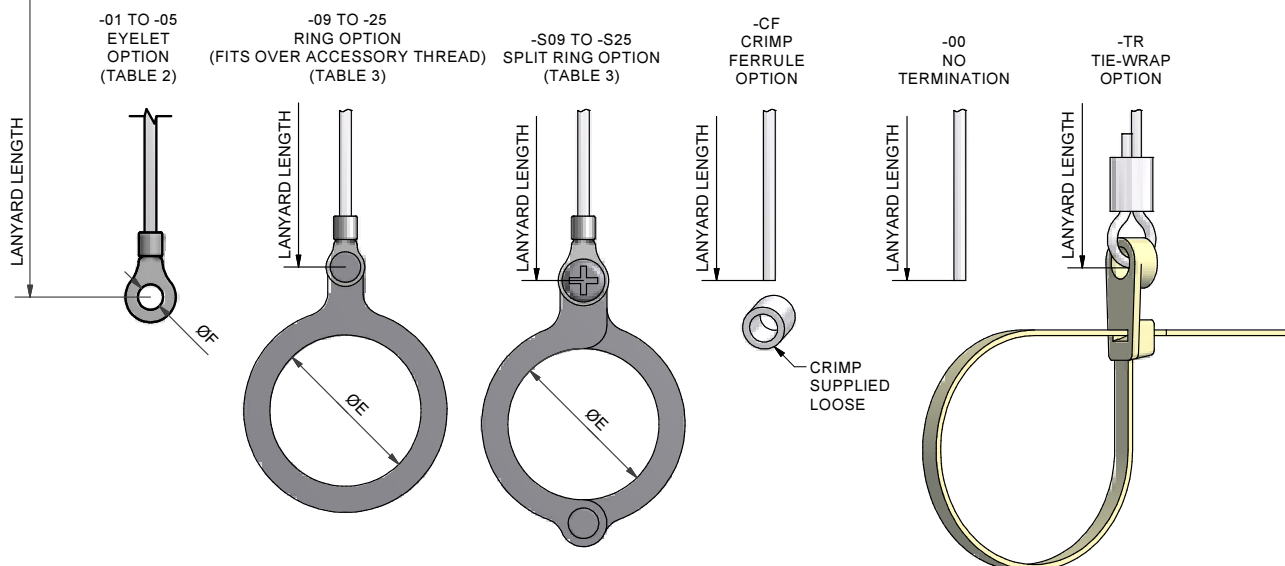


Interconnect Solutions Worldwide

WITH ATTACHMENT



ATTACHMENT OPTIONS:



OMIT FOR NO ATTACHMENT
(SEE SHEET 2)

100P756-17-1-C-WR4-17

SERIES
INSERT 'F' FOR
FLUOROSILICONE GASKET
OMIT FOR STANDARD
SILICONE GASKET
SHELL SIZE (TABLE 1)
MATERIAL (TABLE 5)
FINISH (TABLE 6)
LANYARD TYPE (TABLE 4)
LANYARD LENGTH (IN INCHES)
+1,0"/-0" TOLERANCE
ATTACHMENT (SEE ABOVE)

Plug Protection Cover - Arctic-Grip

MIL-DTL-38999 Style Series III / EN3645

Interfaces H



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	ØA MAX	B THREAD
09	21,0	0.6250-0.1P-0.3L-TS
11	25,0	0.7500-0.1P-0.3L-TS
13	28,0	0.8750-0.1P-0.3L-TS
15	31,0	1.0000-0.1P-0.3L-TS
17	35,0	1.1875-0.1P-0.3L-TS
19	37,0	1.2500-0.1P-0.3L-TS
21	40,0	1.3750-0.1P-0.3L-TS
23	43,0	1.5000-0.1P-0.3L-TS
25	47,0	1.6250-0.1P-0.3L-TS

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

RING REF.	ØE MAX
09	15,1
11	18,0
13	19,4
15	22,6
17	25,8
19	28,8
21	32,0
23	34,1
25	40,1

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

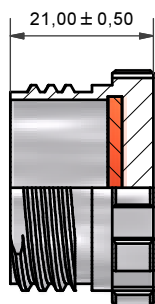
CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL
7	BLACK ACETAL
74	COMPOSITE

TABLE 6

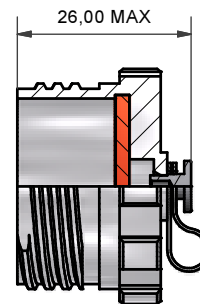
CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT



100P756-17-1-C
NO ATTACHMENT VERSION



100P756-17-1-C-EO
EYELET ONLY VERSION
(NO LANYARD)

Dummy Receptacle - Square Flange

MIL-DTL-38999 Style Series III / EN3645



Interconnect Solutions Worldwide

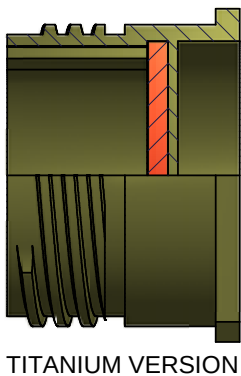
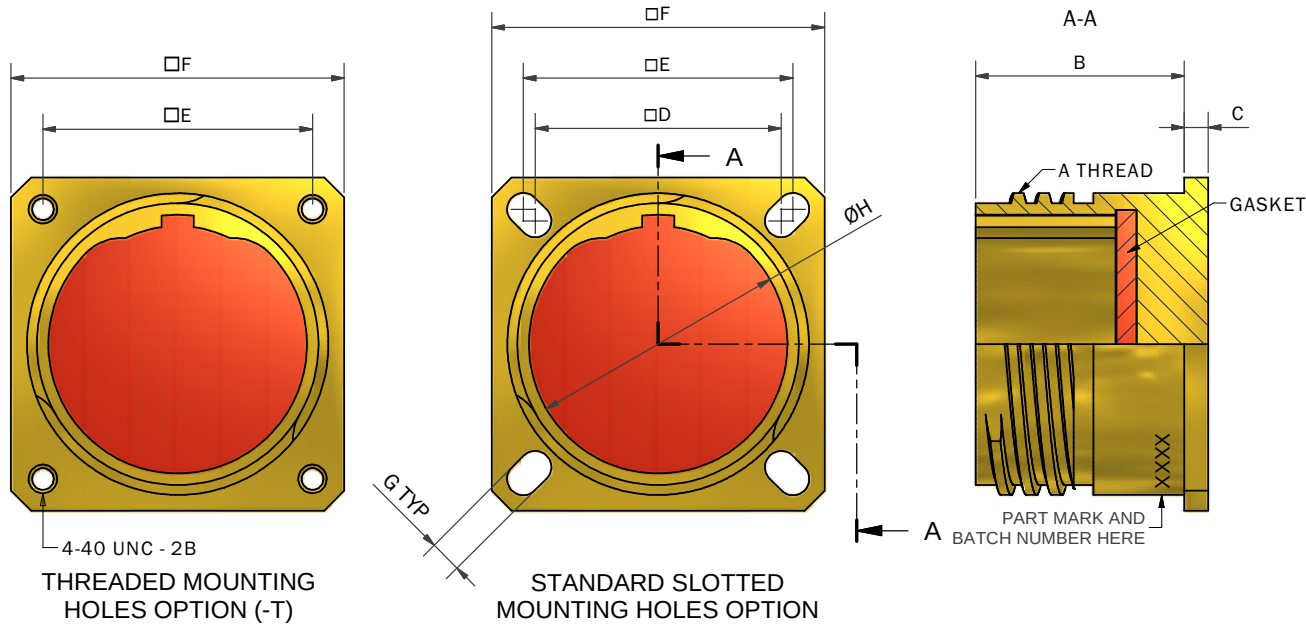
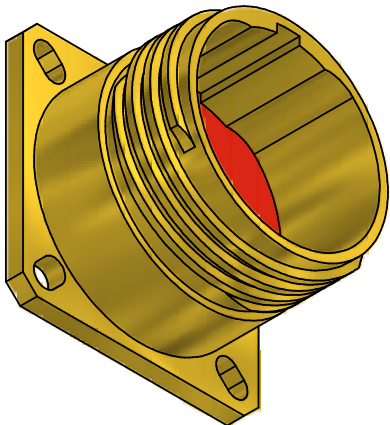


TABLE 1								
SHELL SIZE	A THREAD	B MAX	C MAX	D	E	F MAX	G ±0.2	ØH
09	0.625-0.1P-0.3L-TS	21.4	2.8	15.1	18.3	24.1	3.3	12.5
11	0.750-0.1P-0.3L-TS	21.4	2.8	18.3	20.6	26.5	3.3	15.7
13	0.875-0.1P-0.3L-TS	21.4	2.8	20.6	23.0	28.9	3.3	19.5
15	1.000-0.1P-0.3L-TS	21.4	2.8	23.0	24.6	31.3	3.3	22.7
17	1.1875-0.1P-0.3L-TS	21.4	2.8	24.6	27.0	33.6	3.3	25.9
19	1.250-0.1P-0.3L-TS	21.4	2.8	27.0	29.4	36.8	3.3	28.5
21	1.375-0.1P-0.3L-TS	20.6	3.5	29.4	31.8	40.0	3.3	31.7
23	1.500-0.1P-0.3L-TS	20.6	3.5	31.8	34.9	43.2	3.9	34.9
25	1.625-0.1P-0.3L-TS	20.6	3.5	34.9	38.1	46.3	3.9	38.1

TABLE 2		MATERIAL / PLATING
1-C		ALUMINIUM / ELECTROLESS NICKEL
1-B		ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB		ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
1-U		ALUMINIUM / UNPLATED
9-U		TITANIUM / UNPLATED
4-J		STAINLESS STEEL / PASSIVATE
2-Z		NICKEL ALUMINIUM BRONZE / SHOT BLAST

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS



100P939-17-2-Z-T

SERIES _____

SHELL SIZE _____

MATERIAL (TABLE 2) _____

FINISH (TABLE 2) _____

T - THREADED MOUNTING HOLES OPTION (OMIT FOR STANDARD SLOTS) _____

Dummy Plug

MIL-DTL-38999 Style Series III / EN3645



Interconnect Solutions Worldwide

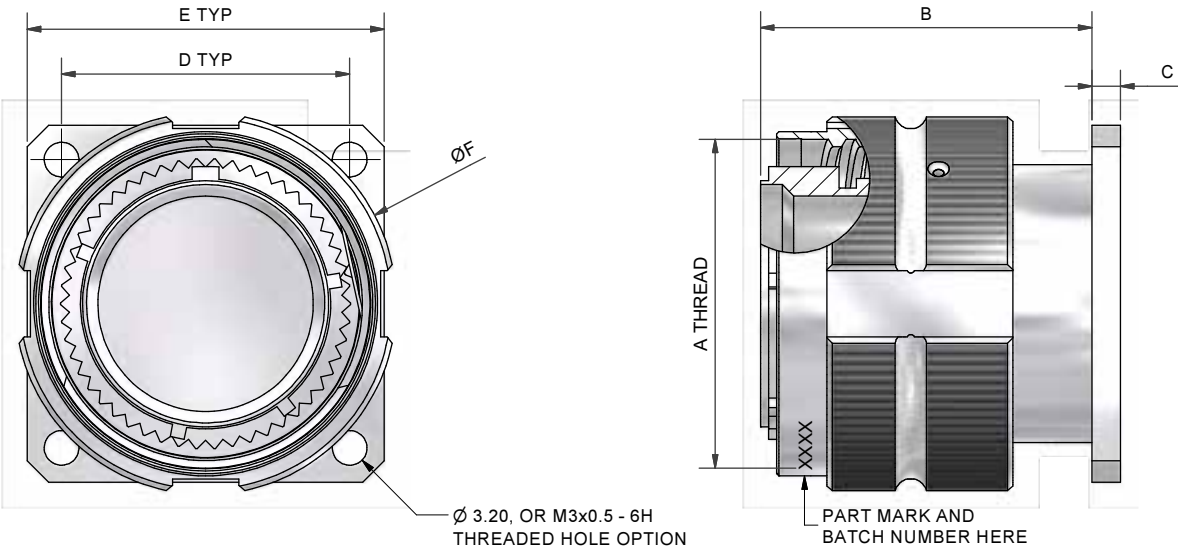


TABLE 1

SHELL SIZE	A THREAD	B MAX	C MAX	D	E MAX	ØF MAX
09	0.625-0.1P-0.3L-TS	33,0	2,8	18,26	24,1	21,8
11	0.750-0.1P-0.3L-TS	33,0	2,8	20,62	26,5	25,0
13	0.875-0.1P-0.3L-TS	33,0	2,8	23,01	28,9	29,4
15	1.000-0.1P-0.3L-TS	33,0	2,8	24,61	31,3	32,5
17	1.1875-0.1P-0.3L-TS	33,0	2,8	26,97	33,6	35,7
19	1.250-0.1P-0.3L-TS	33,0	2,8	29,36	36,8	38,5
21	1.375-0.1P-0.3L-TS	33,0	3,5	31,75	40,0	41,7
23	1.500-0.1P-0.3L-TS	33,0	3,5	34,93	43,2	44,9
25	1.625-0.1P-0.3L-TS	33,0	3,5	38,10	46,3	48,0

TABLE 2

CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL

TABLE 3

CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

PC426DP-17N-1-C-003

SERIES
SHELL SIZE (TABLE 1)
KEY ARRANGEMENT
OPTIONS N, A, B, C, D, E
MATERIAL (TABLE 2)
FINISH (TABLE 3)
THREADED MOUNTING HOLES
OMIT FOR STANDARD MOUNTING HOLES

Dummy Receptacle - With Hole

MIL-DTL-38999 Style Series III / EN3645



Interconnect Solutions Worldwide

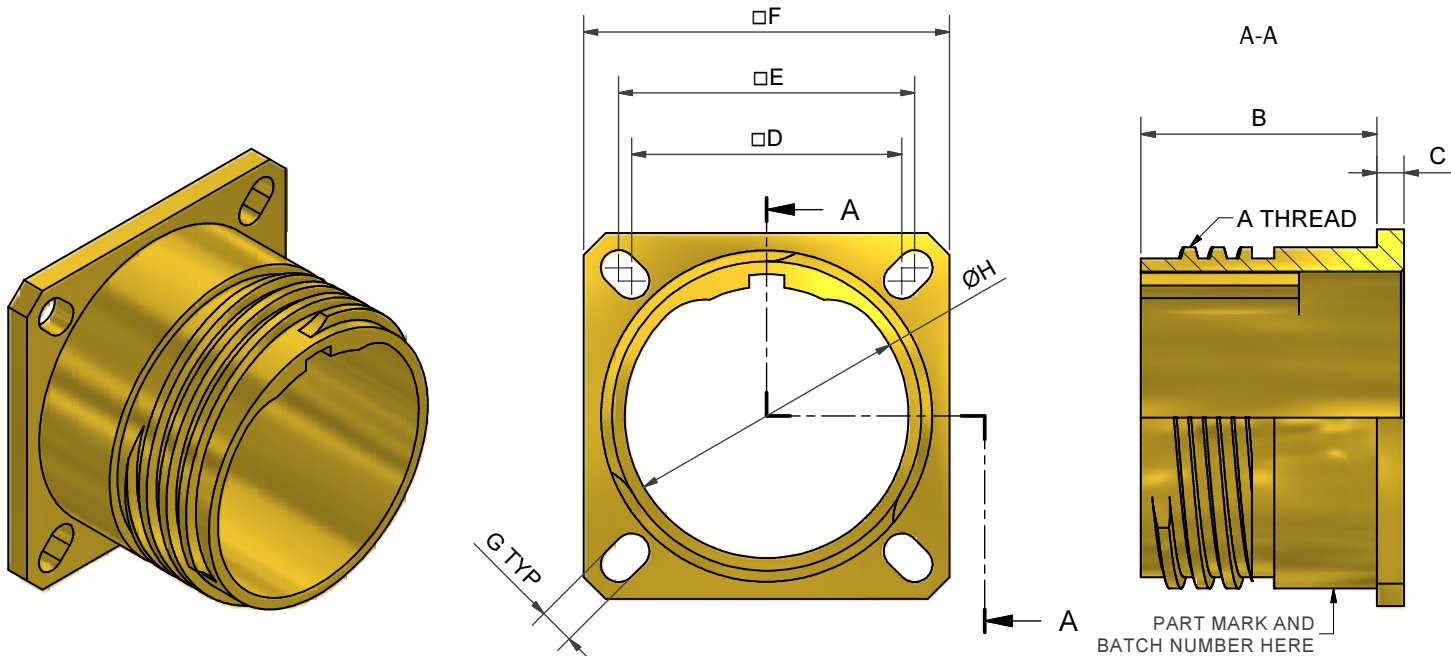


TABLE 1

SHELL SIZE	A THREAD	B MAX	C MAX	D	E	F MAX	G ±0,2	ØH
09	0.625-0.1P-0.3L-TS	21,4	2,8	15,1	18,3	24,1	3,3	12,5
11	0.750-0.1P-0.3L-TS	21,4	2,8	18,3	20,6	26,5	3,3	15,7
13	0.875-0.1P-0.3L-TS	21,4	2,8	20,6	23,0	28,9	3,3	19,5
15	1.000-0.1P-0.3L-TS	21,4	2,8	23,0	24,6	31,3	3,3	22,7
17	1.1875-0.1P-0.3L-TS	21,4	2,8	24,6	27,0	33,6	3,3	25,9
19	1.250-0.1P-0.3L-TS	21,4	2,8	27,0	29,4	36,8	3,3	28,5
21	1.375-0.1P-0.3L-TS	20,6	3,5	29,4	31,8	40,0	3,3	31,7
23	1.500-0.1P-0.3L-TS	20,6	3,5	31,8	34,9	43,2	3,9	34,9
25	1.625-0.1P-0.3L-TS	20,6	3,5	34,9	38,1	46,3	3,9	38,1

TABLE 2

CODE	MATERIAL / PLATING
1-C	ALUMINIUM / ELECTROLESS NICKEL
1-B	ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
1-U	ALUMINIUM / UNPLATED
9-U	TITANIUM / UNPLATED
4-J	STAINLESS STEEL / PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE / SHOT BLAST

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

100P939-17-2-Z-NS

SERIES _____

SHELL SIZE (TABLE 1) _____

MATERIAL (TABLE 2) _____

FINISH (TABLE 2) _____

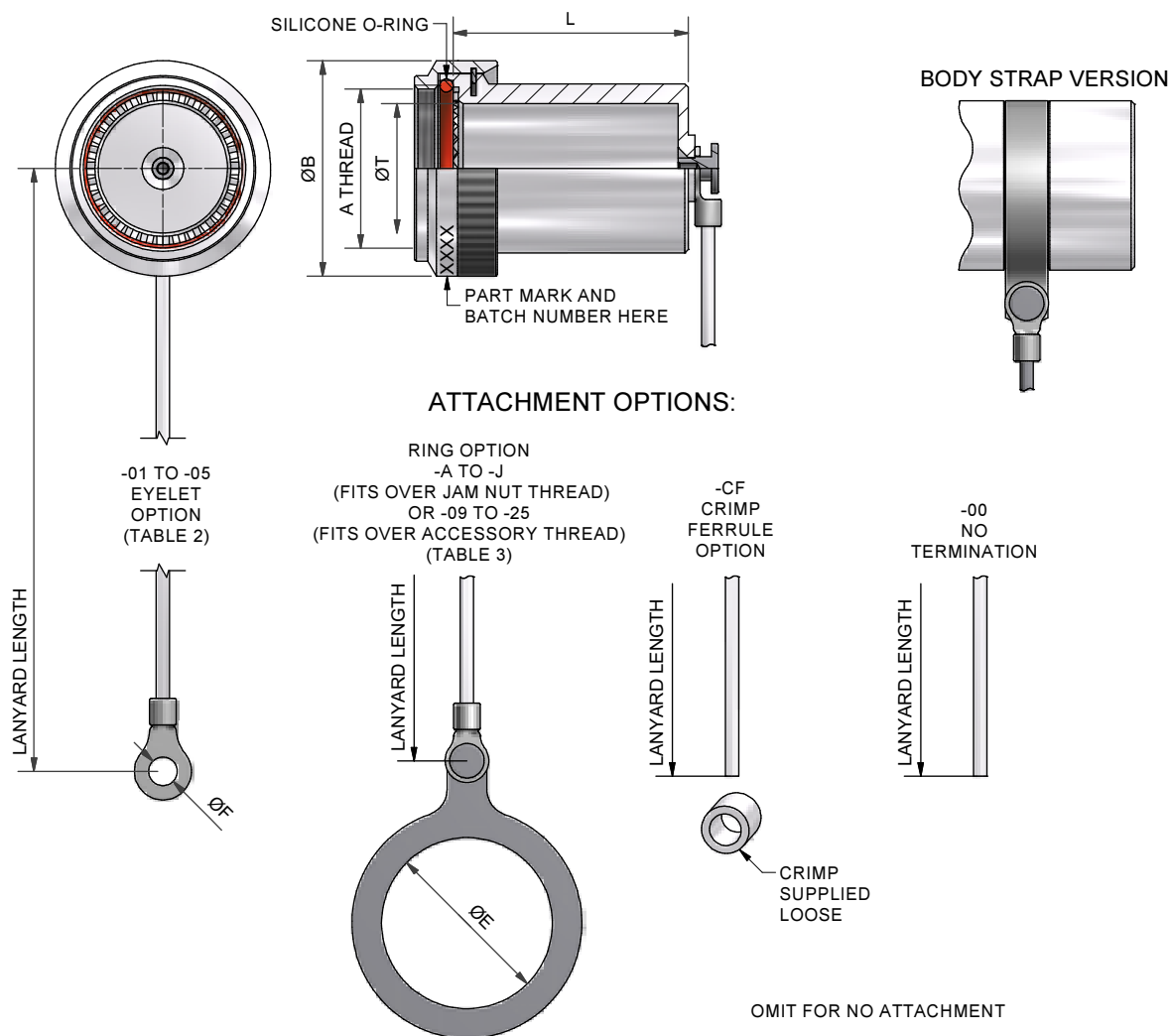
NS - NO SEAL MODIFICATION _____

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Blanking Cover

With Attachment & Options

WITH ATTACHMENT



BCH1-17-1-C-L30-WR4-17

SERIES _____

CONNECTOR INTERFACE _____

ANGLE _____

SHELL SIZE (TABLE 1) _____

MATERIAL (TABLE 5) _____

FINISH (TABLE 6) _____

LENGTH OPTION IN mm _____

OMIT FOR STANDARD LENGTH (TABLE 1)
5,00mm INCREMENTS, MIN L20

INSERT -BS FOR BODY STRAP LANYARD _____

ATTACHMENT STYLE _____

LANYARD TYPE (TABLE 4) _____

LANYARD LENGTH (IN INCHES) _____

ATTACHMENT (SEE ABOVE) _____

Blanking Cover

Without Attachment & Potting Hole Option



Interconnect Solutions Worldwide

TABLE 1

SHELL SIZE	A THREAD	ØB MAX	ØT MIN	L STANDARD
09	M12 x 1.0	18,0	6,8	22,5
11	M15 x 1.0	21,0	10,3	26,0
13	M18 x 1.0	24,5	13,6	29,0
15	M22 x 1.0	29,0	16,3	32,0
17	M25 x 1.0	32,5	19,5	35,5
19	M28 x 1.0	35,5	21,9	39,5
21	M31 x 1.0	37,0	25,2	42,0
23	M34 x 1.0	40,0	28,3	45,0
25	M37 x 1.0	43,5	31,5	48,0

TABLE 2

EYELET REF.	ØF
01	3,2
02	3,7
03	4,3
04	5,3
05	6,4

TABLE 3

TO FIT ACCESSORY THREAD RING REF.	ØE MAX	TO FIT JAM NUT THREAD RING REF.	ØE MAX
09	15,1	A	18,0
11	18,0	B	21,4
13	19,4	C	25,8
15	22,6	D	28,8
17	25,8	E	32,0
19	28,8	F	35,0
21	32,0	G	38,3
23	34,1	H	41,7
25	40,1	J	44,6

TABLE 4

CODE	LANYARD TYPE
WR	NYLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
TC	TEFLON COVERED (CLEAR) STAINLESS STEEL WIRE ROPE
WG	TEFLON COVERED (OLIVE DRAB) STAINLESS STEEL WIRE ROPE
WB	TEFLON COVERED (BLACK) STAINLESS STEEL WIRE ROPE
WRB	PVC COVERED (BLACK) STAINLESS STEEL WIRE ROPE
LC	LINK CHAIN
BK	BLACK CORD
VGB	1,5mm BLACK POLYESTER CORD EQV. TO DIN83330-E1,5
B	BEAD CHAIN
R	OLIVE DRAB POLYESTER CORD
NB	OLIVE DRAB NYLON CORD
NK	BLACK NYLON CORD

TABLE 5

CODE	MATERIAL
1	ALUMINIUM
2	NICKEL ALUMINIUM BRONZE
4	STAINLESS STEEL (SUPPLIED WITH VITON O-RING)
7	BLACK ACETAL
74	COMPOSITE

TABLE 6

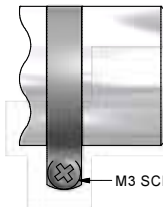
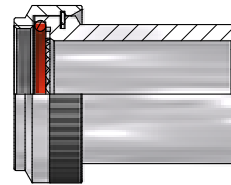
CODE	DESCRIPTION
B	CADMIUM, OLIVE DRAB OVER ELECTROLESS NICKEL
C	ELECTROLESS NICKEL
G	BLACK ANODISE, SULPHURIC
J	PASSIVATE
U	UNPLATED CLEAN FINISH NOT SHOT BLASTED
Z	SHOT BLAST FOR NON-REFLECTIVE FINISH
ZB	ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
ZN	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL

LISTS NOT EXHAUSTIVE. SEE WEBSITE FOR FULL RANGE OF OPTIONS

WITHOUT ATTACHMENT

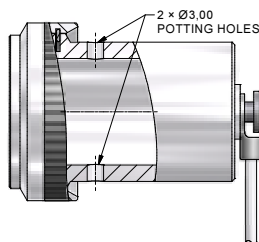
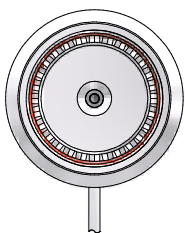
BCH1-17-1-C(-L20)
NO ATTACHMENT VERSION

BCH1-17-1-C(-L20)-BS
BODY STRAP ONLY VERSION
(NO ATTACHMENT)



M3 SCREW AND LOCK NUT

POTTING HOLE OPTION



2 x Ø3.00
POTTING HOLES

BCH1-17-1-C-L30-BS-PH-WR4-17

SERIES _____
CONNECTOR INTERFACE _____
ANGLE _____
SHELL SIZE (TABLE 1) _____
MATERIAL (TABLE 5) _____
FINISH (TABLE 6) _____
LENGTH OPTION IN mm _____
OMIT FOR STANDARD LENGTH (TABLE 1)
5,00mm INCREMENTS, MIN L20
INSERT -BS FOR BODY STRAP LANYARD _____
ATTACHMENT STYLE _____
INSERT -PH FOR POTTING HOLES _____
LANYARD TYPE (TABLE 4) _____
LANYARD LENGTH (IN INCHES) _____
ATTACHMENT (SEE SHEET 1) _____

OMIT FOR NO ATTACHMENT

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RJ45 Connector Assembly

Tooling



Interconnect Solutions Worldwide



RJ45 Cat 5 Connector Assembly Cable-to-Plug Assembly Tool

Features:

Enables easy assembly when inserting the cable and insert into the plug

Part Number: Y-ConTool-30



RJ45 Cat 5 Connector Assembly Cable Stripping Tool

Features:

Cable stripping tool with adjustable blades.

Part Number: Y-ConTool-20



RJ45 Cat 5 Connector Assembly Crimp Tool

Features:

1-step crimp tool crimps all contacts and fixes the square crimp in one action

Part Number: Y-ConTool-11



RJ45 Cat 6a Connector Assembly Multifunctional Hand Tool

Features:

Professional Handtool for the assembly of shielded Cat 6 plugs. This is a real One-Step tool: contacts and shield is crimped at the same time.

Part Number: 2980075-01

Please see our website to view detailed assembly instructions for our Cat5 and Cat6 plug connectors

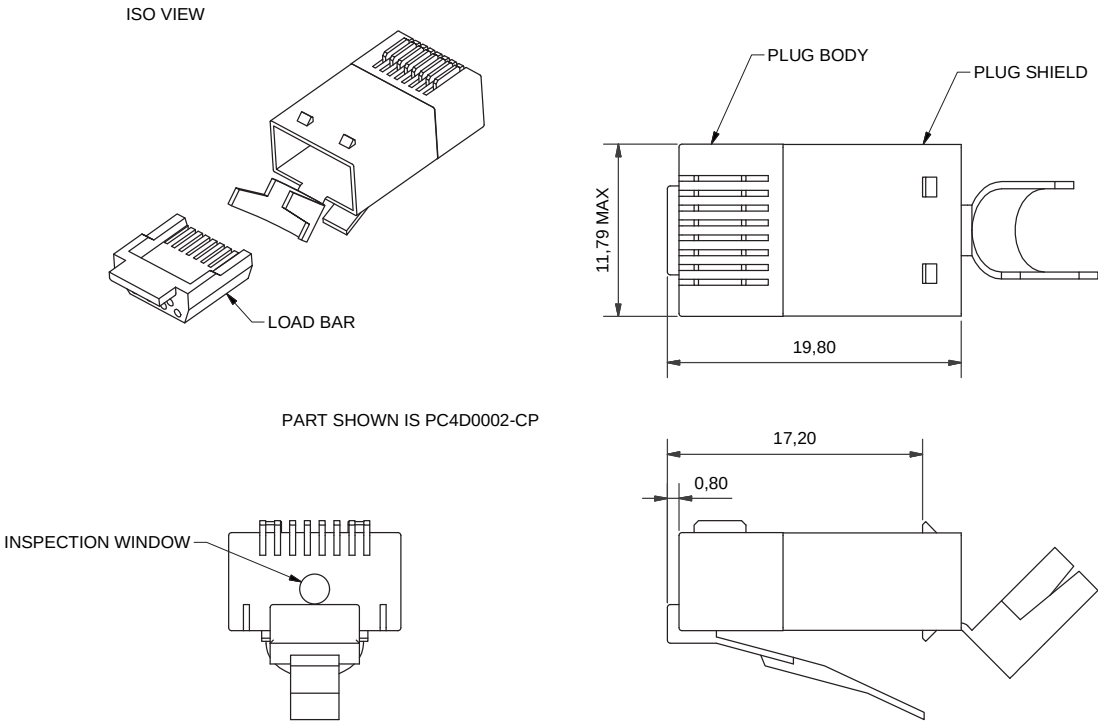
RJ45 Connector Assembly - Spare Plug

PC4D0002 Series

Cat5 RJ45 Crimp Plug



Interconnect Solutions Worldwide



PART SHOWN IS PC4D0002-CP

NOTES:

- 1. PLUG KIT COMPRISES:
PLUG WITH INTEGRAL CRIMP STRAIN RELIEF
AND PRE-FITTED CONTACTS AND SEPARATE LOAD BAR.
- 2. MATERIALS:
PLUG BODY AND LOAD BAR - PBT, UL94V-0
PLUG SHIELD - NICKEL PLATED BRASS
CONTACTS - COPPER ALLOY, SELECTIVE 30µ" GOLD PLATE OVER NICKEL
- 3. CONTACTS TERMINATE SOLID OR STRANDED CONDUCTORS WITH INSULATION
OUTSIDE DIAMETER 0,94 TO 1,07.
- 4. CRIMP IS FOR CABLES OF OUTSIDE DIAMETER 5,50 TO 6,10
- 5. SPECIFICATIONS:
OPERATING TEMPERATURE: -40°C TO +120°C
DURABILITY: 1500 MATING CYCLES.
CURRENT RATING (POWER CONTACTS, STYLE -CP AND - DP) 2.1A @ 70°C
- 6. ASSEMBLY TOOLING:
Y-CONTOOL-11: SINGLE ACTION PLUG CRIMP TOOL
Y-CONTOOL-30: LOAD BAR POSITIONING TOOL

PC4D0002-CP		
PC4D0002 =	POLAMCO SERIES	
-CP =	RJ45 STYLE:	WIRE CAPACITY
	AP = 4 WAY	4 x 24AWG
	BP = 4 + 2 WAY	4 x 24AWG + 2 x 22AWG
	CP = 8 WAY	8 x 26AWG
	DP = 8 + 2 WAY	8 x 26AWG + 2 x 22AWG

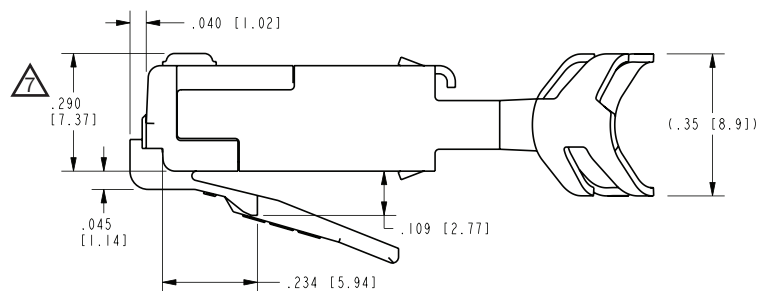
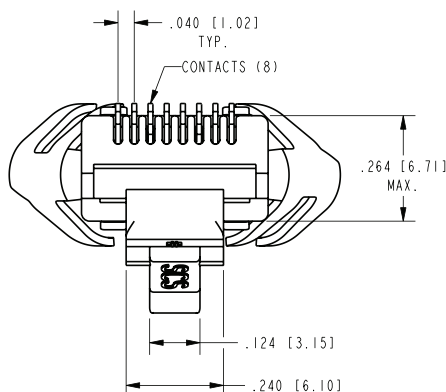
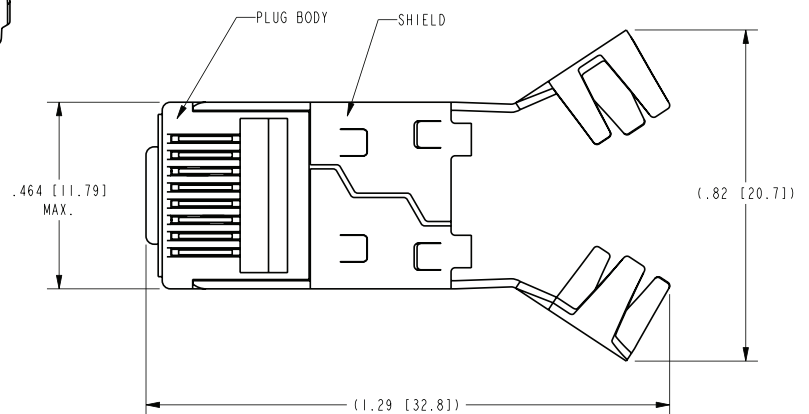
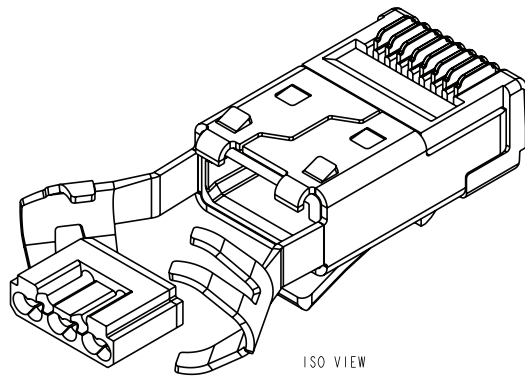
RJ45 Connector Assembly - Spare Plug

PC4D0018P Series

8 Conductor, 8 Position Shielded Cat6a Plug with Load Bar



Interconnect Solutions Worldwide



NOTES:

1. PLUG KIT CONSISTS OF:

PRE-INSERTED PLUG BODY WITH SHIELD LOAD BAR

2. MATERIALS:

PLUG BODY: CLEAR POLYCARBONATE, UL 94-V0

LOAD BAR: BLACK POLYCARBONATE, UL 94-V0

CONTACTS: COPPER ALLOY, SELECTIVE GOLD PLATING

SHIELD: COPPER ALLOY, NICKEL PLATE

3. CONTACTS TERMINATE SOLID OR STRANDED CONDUCTORS BETWEEN

.037 [0.94] TO .042 [1.07] OUTSIDE DIAMETER OF INSULATION.

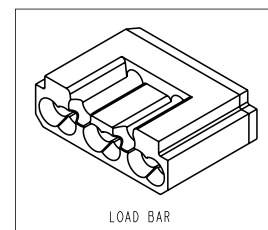
4. CRIMP IS FOR CABLES WITH OUTSIDE NOMINAL DIAMETERS OF

.240 [6.10] TO .260 [6.60].

5. PRODUCT FULLY TESTED FOR CAT 6A APPLICATIONS. CONTACT POLAMCO FOR TEST REPORTS.

6. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.

Δ TERMINATED PLUG HEIGHT: .237 [6.02] $\pm$.005 [0.13]



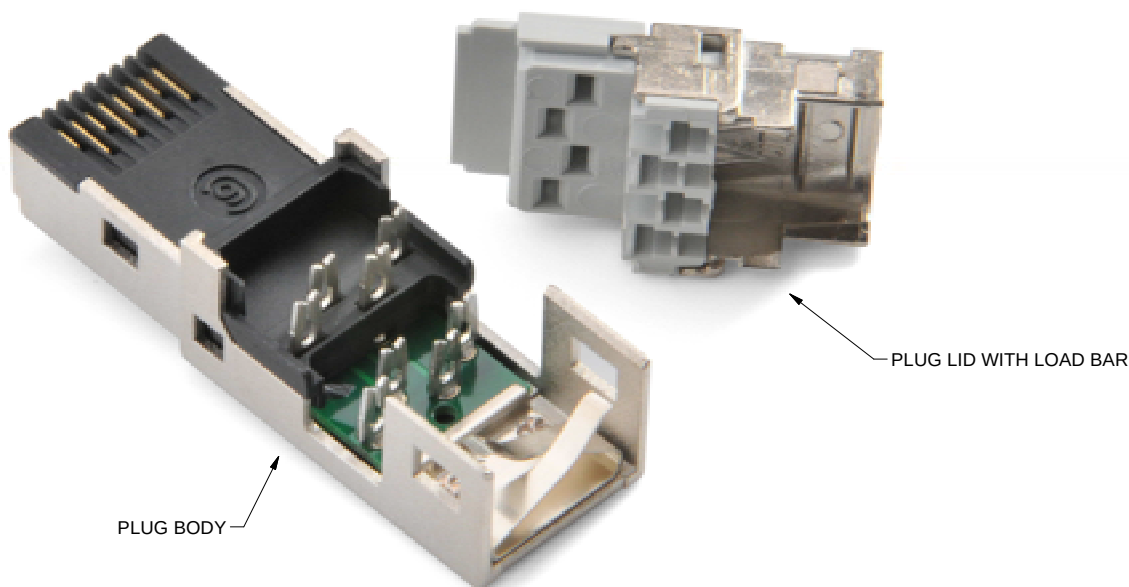
RJ45 Connector Assembly - Spare Plug

PC4D0030 Series

Cat6a RJ45 Field Plug

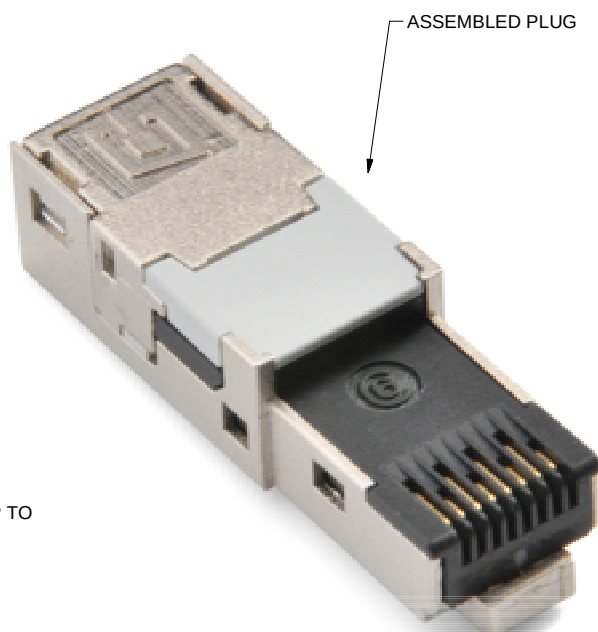


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NOTES:

1. PLUG KIT COMPRISES:
 - PLUG LID WITH INTEGRAL LOAD BAR AND WIRING COLOUR GUIDE FOR T568A / T568B / PROFINET INSTALLATIONS
 - PLUG BODY WITH SELF-TERMINATING CONTACTS AND INTEGRAL BRAID GROUNDING FINGERS
2. MATERIALS:
 - PLUG BODY AND LID - ZINC DIECAST
 - CONTACTS - COPPER ALLOY, SELECTIVE GOLD PLATE OVER NICKEL
3. CONTACTS TERMINATE SOLID OR STRANDED CONDUCTORS AWG 22 / AWG 26 WITH INSULATION OUTSIDE DIAMETER 1,6MM MAX
4. ACCOMMODATES SCREEN BRAID OUTSIDE DIAMETER 5,5MM TO 8,5MM
5. SPECIFICATIONS:
 - PERFORMANCE: CAT6a / CLASS Ea. 10Gb/s DATA TRANSFER RATE
 - OPERATING TEMPERATURE: -40°C TO +70°C
 - DURABILITY: 750 MATING CYCLES.
6. NO ASSEMBLY TOOLING REQUIRED; PLUG MAY BE OPENED AND RE-ASSEMBLED UP TO 5 TIMES WITHOUT LOSS OF FUNCTION.



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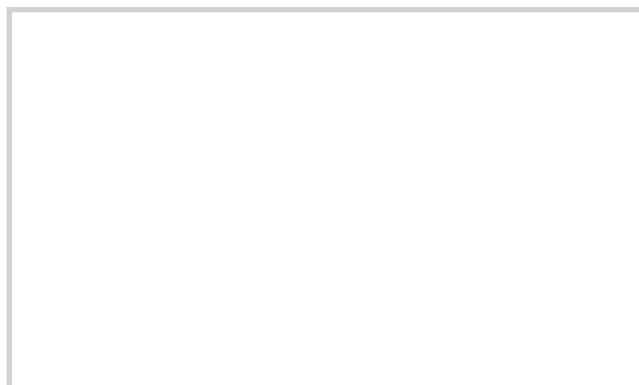
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