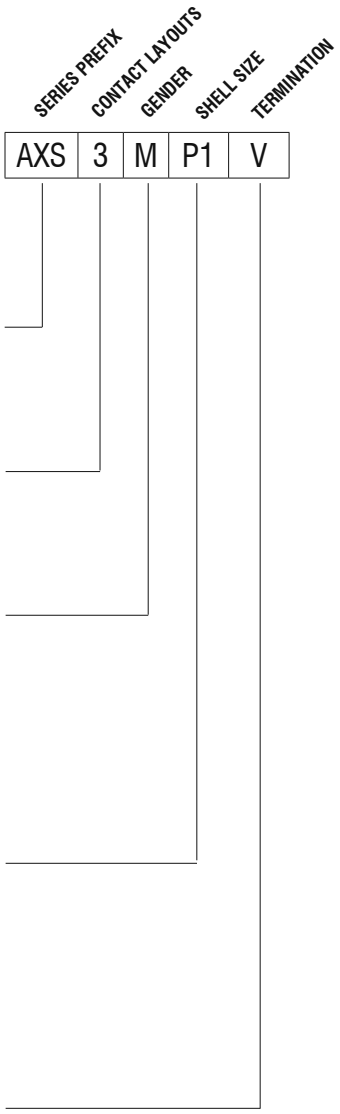
PART NUMBER BREAKDOWN

CHASSIS CONNECTORS

E. G . **AXS3MP1V**
AXS (Series Prefix), **3** contacts, **M**ale, **P1** (Thermoplastic 1.5mm to 2mm (Rear Mounting), **V** (Vertical Mount- PCB Thru Hole)

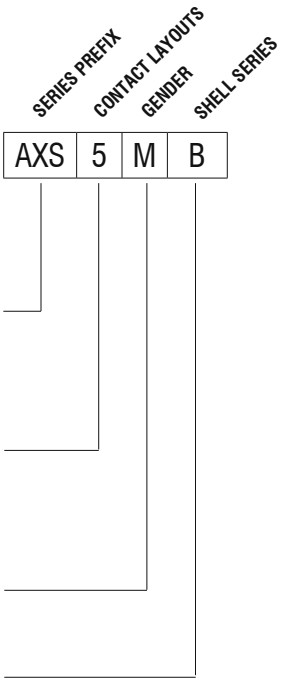


SERIES PREFIX	AXS	=	Sealed IP65 with cap
	AXP	=	Sealed IP65 no cap
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Socket receptacle housing
	M	=	Pin plug housing
SHELL SIZE	D	=	D shell unsealed
	F	=	Four hole Receptacle Housing IP65 (Front Mounting)
	P	=	Thermoplastic 1mm to 1.5mm (Rear Mounting)
	P1	=	Thermoplastic 1.5mm to 2mm (Rear Mounting)
	P2	=	Thermoplastic 2mm to 3mm (Rear Mounting)
	P3	=	Thermoplastic XXmm to XXmm (Rear Mounting)
	P4	=	Thermoplastic XXmm to XXmm (Rear Mounting)
TERMINATION	Blank	=	Solder buckets
	H	=	Horizontal Mount (PCB thru hole)
	V	=	Vertical Mount (PCB thru hole)
SEALED IP65	P	=	Potted
SHELL MATERIAL / FINISH	Blank	=	Nickel Metal
	B	=	Black Metal
CONTACT PLATING	Blank	=	Standard
	AU	=	Gold plated
PROTECTIVE CAP	Blank	=	with cap
	LC	=	Less cap
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

PART NUMBER BREAKDOWN

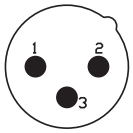
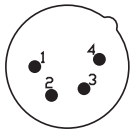
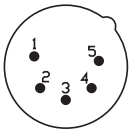
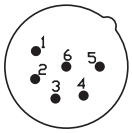
PLUG CONNECTORS

E. G . **AXS5MB**
AXS (Series Prefix), **3** contacts, **M**ale, **P1** (Thermoplastic 1.5mm to 2mm (Rear Mounting), **V** (Vertical Mount- PCB Thru Hole)



SERIES PREFIX	AXS	=	Sealed IP65
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Socket receptacle housing
	M	=	Pin plug housing
SHELL SERIES	Blank	=	Nickel plated finish
	B	=	Black finish
	CP	=	Cord thermoplastic
COLOUR OPTION (SLEEVE)	Blank	=	Black
	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
CONTACT PLATING	Blank	=	Standard
	AU	=	Gold plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

STANDARD DATA AX SERIES CHASSIS - IP65

		VALUE			
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A Available
	Contact Arrangement (Front view of pin inserts)				
	Termination	Solder Bucket / Printed Circuit Board (PCB)			
	Max. Wire Gauge - Stranded wire: Solder Printed Circuit Board - PCB	14AWG N/A	16AWG N/A	18AWG N/A	18AWG N/A
	Flammability rating of plastics & rubber	UL94V-0			
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU			
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V [1]			
	Test Voltage AC RMS	1400V			
	Current carrying capacity: Solder Printed Circuit Board (PCB)	15A 15A	10A 10A	7.5A 7.5A	7.5A 7.5A
	Typical Contact Resistance	≤3mΩ			
	Insulation Resistance	≥1000MΩ			
CLIMATIC CHARACTERISTICS	Protection Class	IP65			
	Operating Temperature	-25˚C to +75˚C (-13°F to +167°F)			
MECHANICAL CHARACTERISTICS	Weight [2]	31g (0.068lb)	32g (0.070lb)	33g (0.072lb)	33g (0.072lb)
	Mechanical Operations	1000 mating cycles			
MATERIALS	Connector Flange Finish	Rubber Black / Stainless Steel			
	Insulators	PA66 30% Glass Filled Resin			
	Male Contact Machined Solder and PCB-(Material/Plating)	Brass / Tin or Gold (Optional)			
	Female Contact Machined Solder and PCB-(Material/Plating)	Brass / Tin or Gold (Optional)			

[1] Not suitable for domestic applications above 50V
[2] Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

Rev 2 - 10/2024

STANDARD DATA AX SERIES CHASSIS RECEPTACLES - IP65

		VALUE		
		Class D	CAT5E	CAT6
GENERAL CHARACTERISTICS	Number of contacts	8		
	Contact Arrangement	RJ45		
	Termination	Printed Circuit Board (PCB) - through hole, Feedthrough, IDC Terminal		
	Flammability	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
	Solderability	MIL-STD 202, Method 208		
ELECTRICAL CHARACTERISTICS	Rated current per contact	1.5 A		
	Rated Voltage	125V AC		
	Typical Contact Resistance	20mΩ		
	Insulation Resistance	> 500MΩ		
	Dielectric Strength	1000 VAC, 60 secs		
	Max. Frequency	100Mhz	100MHz	250MHz
	Ethernet Standard	10/100 BASE-T	1000 BASE-T	10GBASE-T
	Transmission Spec.	EIA/ TIA568-C.2, ISO/IEC 11801, EN50173		
	PoE	802.3at Type 2	Types 1 to 4 and IEC60603-7 compliant	
	LED Type	Round, single pole, indicator		
CLIMATIC CHARACTERISTICS	Protection Class - RJX - RJXS	IP40 (with EMI/RFI shield) IP54 (non potted) IP65 (potted)		
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
MECHANICAL CHARACTERISTICS	Weight** - A & B Housing - Shielded Housing - D Shell	11g (0.024lb) 17g (0.037lb) 25g (0.055lb)		
	Mechanical Operations	1000		
	Insertion and Withdrawal Force	≤ 21N		
	Latch	Spring Steel		
	Panel Thickness max.	RJXS series panel thickness veriable, three groups: S: 1.2-2.5, M: 2.5-3.5, L: 3.8-5.0		
	Mounting screw torque max.	0.35Nm		
	Fastener	Self-Tapping screw M2.5		
MATERIALS	Connector Shell / Housing	PA66-R10G251(fff)(f1) KINGFA SCI&TECH, E171666		
	Front Panel Gasket	121-80 SANTOPRENE		
	Potting Compound			
	Contact	Phosphor Bronze		
	Contact Finish - Ground - RJ45	0.38μm Au over 1.27μm Ni 1.27μm Au over 1.27μm Ni		
	Metal Hood Shield EMI/RFI	BRASS UNS #26800 PRE-PLATED 0.25mm THK		
	Latch lock and Spring	CARBON STEEL SAE 1055		

Rev 1 - 11/2024

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.