

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES (TE). IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TE PERSONNEL WITHOUT AUTHORIZATION FROM TE (www.te.com).

DRAWING NUMBER:

612082-6-ENV

NOTES:

1. MARKED WITH TE PART NUMBER, TE (HASTINGS) CAGE CODE, DATE CODE AND REAR CONTACT LOCATION MARKING WHERE SHOWN. SEE SHEET 2 FOR TEXT AND POSITIONS.

PART NUMBER EXAMPLE: D369 - MR 6 6- N S 1

BASIC PART No. _____
SHELL STYLE _____
(MR = INLINE METALLIZED RECEPTACLE)
SHELL SIZE _____
CONTACT QTY _____
(6 = 6 x #22's)

CONTACT CONFIGURATION 4.
CONTACT TYPE (P = PIN, S = SKT)
SHELL KEYING

2. PERFORMANCE:
TEMPERATURE RANGE : -55°C TO +175°C. INSULATION RESISTANCE : ≥5000 MΩ.
DIELECTRIC WITHSTAND: 1500VRMS, <2mA. SEALING: 18KM(60000FT) ALTITUDE / IP67
DURABILITY : 500 MATING CYCLES MIN. FLUID RESISTANCE: I.A.W. EN2591-315.
FLAMMABILITY, SMOKE AND TOXICITY: I.A.W. FAR 25.853 APPENDIX F.

3. INSERTION/EXTRACTION TOOL (M81969/14-01 OR EQUIVALENT) SUPPLIED SEPARATELY.

4.	Contact Configuration	Contact Description	Contact P/N (OR EQUIVALENT)		Crimp Positioner		Crimp Tool	Wire Accommodation	Current Rating
			Pin	Socket	Pin	Socket			
	0	NO CONTACTS SUPPLIED							
	1	CRIMP, COPPER WIRE	38941-22L	38946-22L	M22520/2-09	M22520/2-06	M22520/2-01	22-26 AWG	5A (22 AWG)
	2	CRIMP, ALUMINIUM WIRE	200-1042-22	200-1142-22	KAL2		ALNP 22-A	22 AWG	5A
	3	CRIMP, COPPER WIRE (ENLARGED WIRE)	182-0860-22	182-0862-22	M22520/2-09	M22520/2-06	M22520/2-01	20-24 AWG	7.5A (20 AWG)*

** UPPER TEMPERATURE LIMIT DE-RATED TO +133°C AT 7.5A (20 AWG)

5. MATERIALS & FINISHES:

COMPONENT	MATERIAL	FINISH
SEALS	SILICONE / FLUOROSILICONE BLEND RUBBER PER AMS-R-25988 TYPE II, CLASS I, GRADE 40	N/A
INSERT COMPONENTS	POLYETHERIMIDE, 10% GLASS FILLED PER ASTM D 5205 or POLYETHERETHERKETONE 450G	N/A
SHELL BODY	POLYETHERIMIDE, 10% GLASS FILLED PER ASTM D 5205	ELECTROLESS NICKEL PLATED

NICKEL PLATED FINISH MAY VARY IN COSMETIC APPEARANCE. PLATING MAY BE DULL IN APPEARANCE WITH A ROUGH SURFACE, OR SHINY IN APPEARANCE WITH A SMOOTH SURFACE. THIS IN NO WAY AFFECTS THE FORM, FIT OR FUNCTION OF THE PRODUCT, OR THE ENVIRONMENTAL PERFORMANCE OF THE PLATED FINISH. IT SHOULD BE CONSIDERED A VISUAL VARIATION ONLY.

6. MAXIMUM WEIGHT (WITHOUT CONTACTS): 2.9g (PIN INSERT), 2.8 (SKT INSERT).

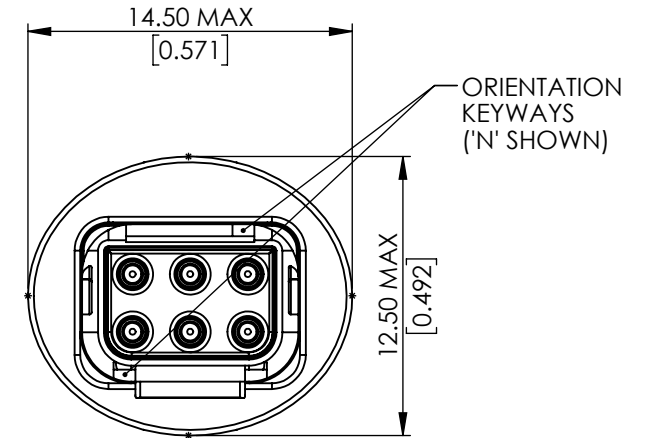
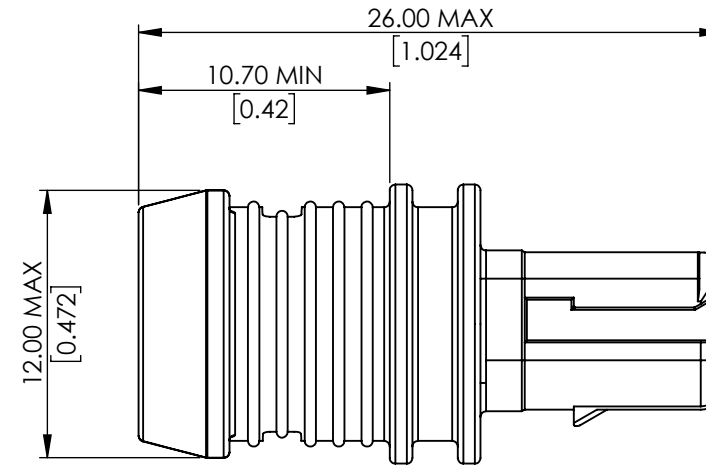
7. EMI SHIELDING PERFORMANCE (MATED PAIR):

FREQUENCY (MHz)	150	200	300	400	800	1000	1500	2000	3000	4000	6000	10000
ATTENUATION (dB)	65	60	55	55	45	43	40	37	35	33	30	20

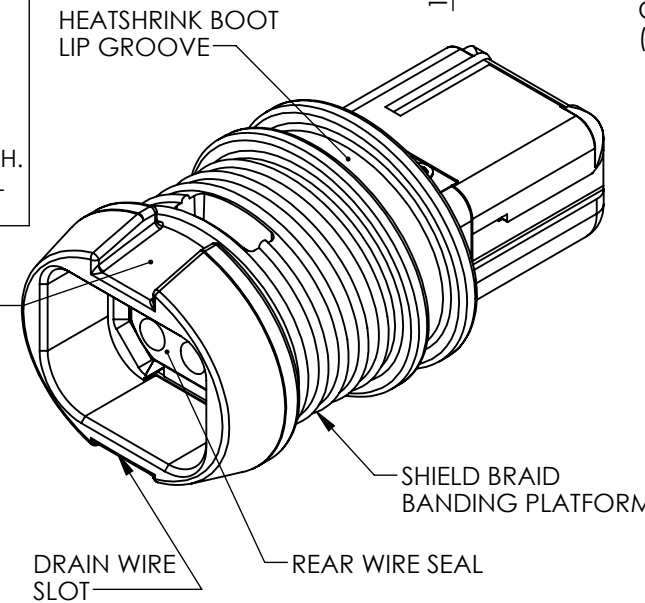
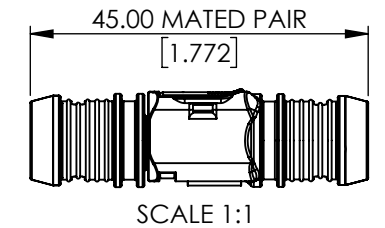
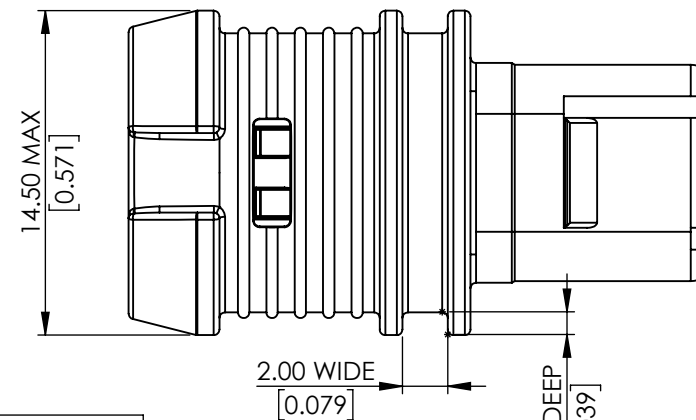
8. CONNECTORS MARKED WITH DATE CODE H1841D OR THEREAFTER WILL COMPRISE A BONDED INSERT ASSEMBLY.

- 9 'OPEN' INDICATOR MAY OR MAY NOT BE PRESENT.

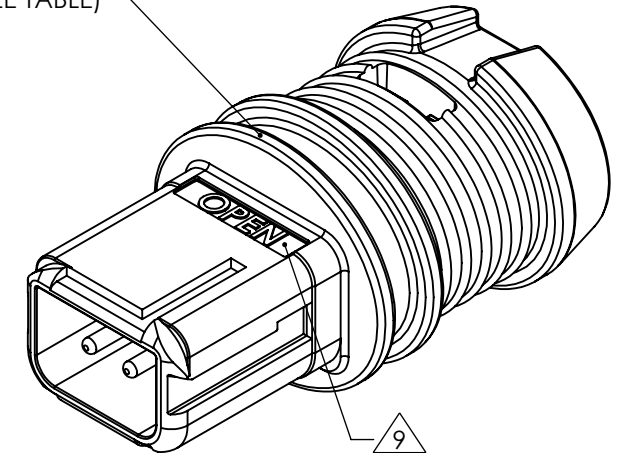
THE CONNECTOR DESCRIBED ON THIS DRAWING SHALL MEET THE QUALIFICATION REQUIREMENTS AS OUTLINED IN TE QTP 109-163002



SHELL KEYING	
ORIENTATION	COLOUR CODING BAND
N	BLACK
A	DARK RED
B	DARK BLUE
C	DARK GREEN
D	YELLOW



SHELL KEYING COLOUR CODING BAND (SEE TABLE)

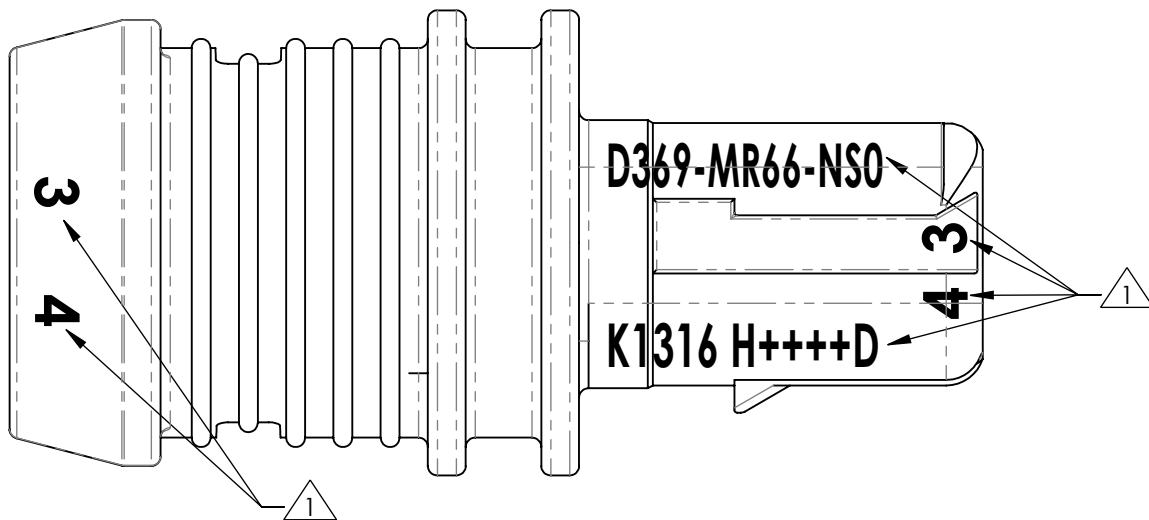


BS8888 THIRD ANGLE PROJECTION 		MATERIAL: SEE NOTE 5		FINISH: SEE NOTE 5		 DEUTSCH TE CONNECTIVITY UK LTD., ST. LEONARDS-ON-SEA, TN38 9RF, UK.	
UNLESS OTHERWISE STATED: DIMENSIONS: mm [INCHES]		TITLE: SHIELDED D369 RECEPTACLE SHELL SIZE 6, 6 WAY TYPE: CUSTOMER DRAWING					
IF IN DOUBT, ASK		SIZE: A3	SCALE: 3:1	DRAWING NUMBER: 612082-6-ENV		SHEET: 1 OF 2	ISSUE: AF

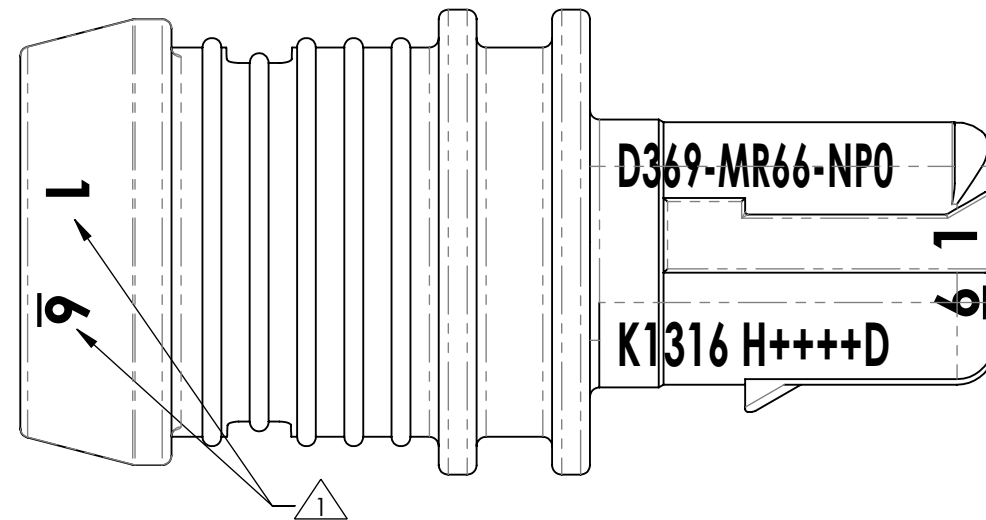
AF	DUK-71928	JCB	JP	RJM	CEO	03/09/2020
ISSUE	CHANGE NOTE	DRAWN	CHECKED	APP. ENG.	APP. MARKETING	DATE

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DRAWING NUMBER:
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6 WAY RECEPTACLE
(SOCKET/FEMALE CONTACTS)



6 WAY RECEPTACLE
(PIN/MALE CONTACTS)

THE CONNECTOR DESCRIBED
ON THIS DRAWING SHALL
MEET THE QUALIFICATION
REQUIREMENTS AS OUTLINED
IN TE QTP 109-163002

BS8888 THIRD ANGLE PROJECTION 	MATERIAL: SEE NOTE 5		FINISH: SEE NOTE 5	 DEUTSCH TE CONNECTIVITY UK LTD., ST. LEONARDS-ON-SEA, TN38 9RF, UK.	
UNLESS OTHERWISE STATED: DIMENSIONS: mm [INCHES]	TITLE: SHIELDED D369 RECEPTACLE SHELL SIZE 6, 6 WAY			TYPE: CUSTOMER DRAWING	
IF IN DOUBT, ASK	SIZE: A3	SCALE: 5:1	DRAWING NUMBER: 612082-6-ENV		SHEET: 2 OF 2 ISSUE: AF