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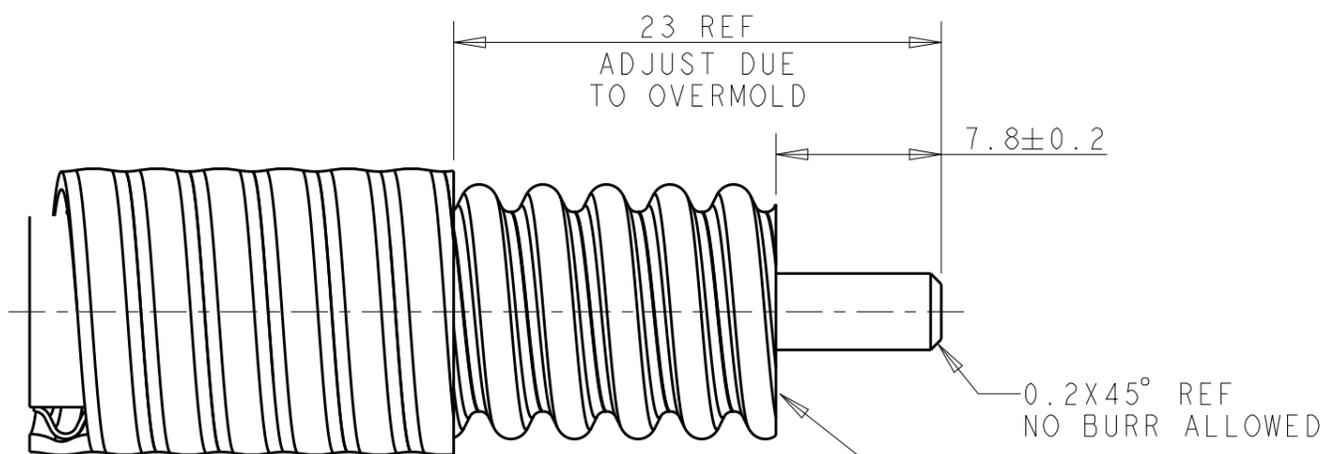
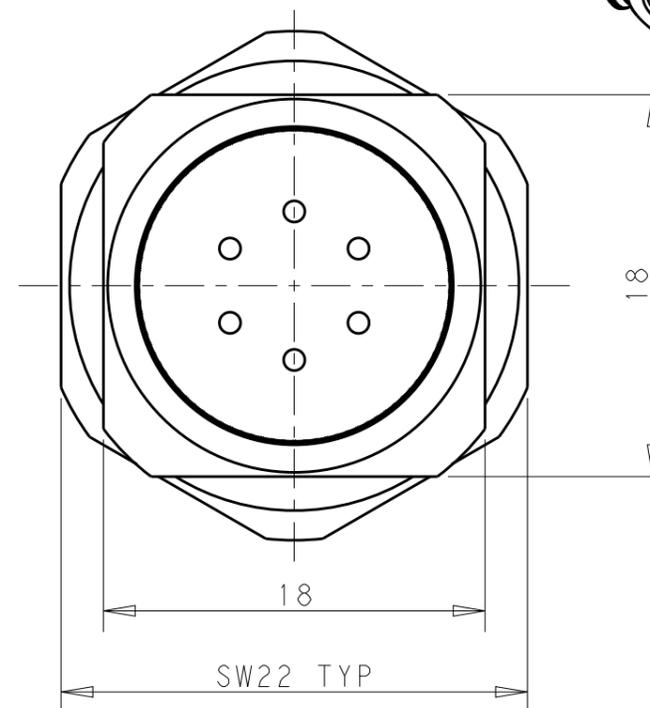
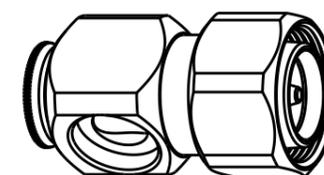
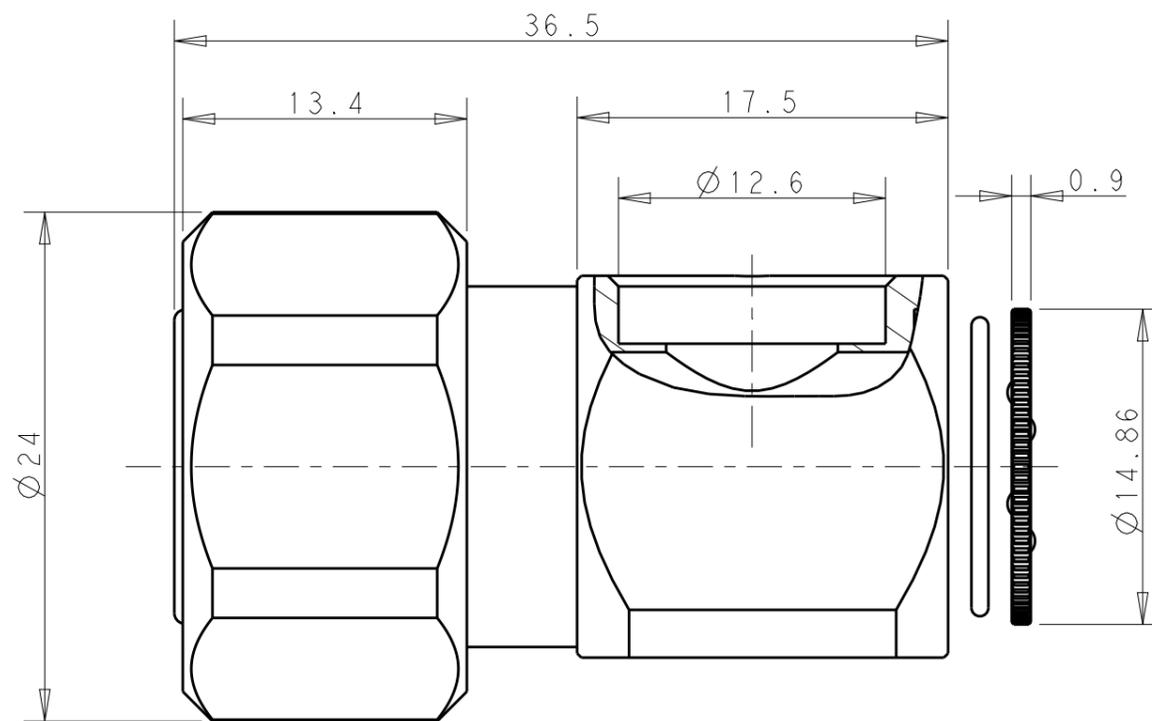
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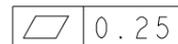
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD



RECOMMENDED CABLE DIMENSION



PLATING	MATERIAL	ITEM	P/N
CuSnZn	BRASS	REAR CAP	2081274-1
N/A	BRASS	C-RING	
N/A	RUBBER	O-RING(12.5X0.8)	
Ni	BRASS	COUPLING NUT	
N/A	RUBBER	O-RING(12X1.3)	
N/A	PTFE	DIELECTRIC	
CuSnZn	BRASS	OUTER CONTACT	
Ag	BRASS	CENTER CONTACT	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN B. WONG 02-Dec-15

CHK R. SONG 02-Dec-15

APVD R. SONG 02-Dec-15

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING



TE Connectivity

ASSEMBLY, PLUG RA, SCREW FOR 1/2 SF CABLE

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A300779 C-2081274

SCALE 3:1 SHEET 1 OF 2 REV 1

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±-	1
1 PLC	±-	
2 PLC	±-	
3 PLC	±-	
4 PLC	±-	
ANGLES	±-	

MATERIAL

FINISH

P	LTR	DESCRIPTION	DATE	DWN	APVD

NOTES;

1. TOLERANCES ON ALL DIMENSIONS ACCORDING TO ISO 2768 m-H FOR UNLESS OTHERWISE SPECIFIED

2. INTERFACE ACCORDING TO IEC61169-54.

3. ELECTRICAL CHARACTERISTICS

IMPEDENCE : 50 Ohm
FRQUENCY RANGE: DC TO 6 GHz
RETURN LOSS:

>=39 dB@ DC to 1 GHz
>=30 dB@ 1 GHz to 2.2 GHz
>=28 dB@ 2.2 GHz to 2.7 GHz
>=22 dB@ 2.7 GHz to 6.0 GHz

INSERTION LOSS: <=0.05 x SQRT(f[GHz]) dB

INSULATION RESISTANCE: >=5000 MOhm

CENTER CONTACT RESISTANCE: <=1.0 MOhm

OUTER CONTACT RESISTANCE: <=1.0 MOhm

TEST VOLTAGE: 2500 Vrms

WORKING VOLTAGE: 500 Vrms

POWER HANDLING(AT 90°C, ALTITUDE 3000m): 500 W @ 2 GHz

INTERMODULATION(3rd ORDER):>=160 dBc (2 x 46 dBm) @ 0.4-4.0 GHz

4. MECHANICAL CHARACTERISTICS

MATING CYCLES: >=100

CENTER CONTACT CAPTIVATION: AXIAL >30N
RADIAL >5Ncm

CENTER CONTACT RETENTION FORCE 1.5-20N

OUTER CONTACT RETENTION FORCE 4-35N

RECOMMENDED TORQUE 5Nm

5. ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE RANGE: -45 °C TO +85 °C OPERATING TEMPERATURE

THERMAL SHOCK: IEC 61169-1 9.4.4

CORROSION RESISTANCE: IEC 61169-1 9.4.10

VIBRATION: IEC 61169-1 9.3.3

SHOCK: IEC 61169-1 9.3.14

DEGREE OF PROTECTION (MATED PAIR): IEC 61169-1 9.4.7, IP68(2h / 1.5m)

ROHS: COMPLIANT

6. SUITABLE CABLES:

SUPER FLEXIBLE 1/2"R AND SIMILAR.

7. DUST-PREVENTING CAP WAS ON FOR FINAL ASSEMBLY.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. WONG	02-Dec-15	 TE Connectivity	
DIMENSIONS: mm		CHK R. SONG	02-Dec-15		
		APVD R. SONG	02-Dec-15	NAME ASSEMBLY, PLUG RA, SCREW FOR 1/2 SF CABLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		-	
0 PLC ±-		APPLICATION SPEC		-	
1 PLC ±-		WEIGHT		-	
2 PLC ±-		SIZE		A3	
3 PLC ±-		CAGE CODE		00779	
4 PLC ±-		DRAWING NO		C-2081274	
ANGLES ±-		RESTRICTED TO		-	
MATERIAL		CUSTOMER DRAWING		SCALE 3:1	
FINISH		SHEET 2 OF 2		REV 1	