

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

RoHS: COMPLIANT.

SPECIFICATIONS:

IMPEDANCE: 50Ω

FREQUENCY: DC to 12.4GHz

VSWR: <1.274

CONTACT RESISTANCE:
CENTER: <3.0 milliohms.
OUTER: <2.0 milliohms.

VOLTAGE RATING: 335 V (rms)

INSERTION LOSS: 0.18 @ DC-9GHz

DIELECTRIC WITHSTANDING VOLTAGE: >1000V

INSULATION RESISTANCE: >10000mΩ

MECHANICAL CHARACTERISTICS

CENTER CONTACT RETENTION FORCE: >6 lbs

RECOMMENDED COUPLING TORQUE: 7-10in lbs

COUPLING NUT RETENTION FORCE: 40 lbs MIN

DURABILITY: 500 CYCLES min.

ENVIRONMENTAL PARAMETER

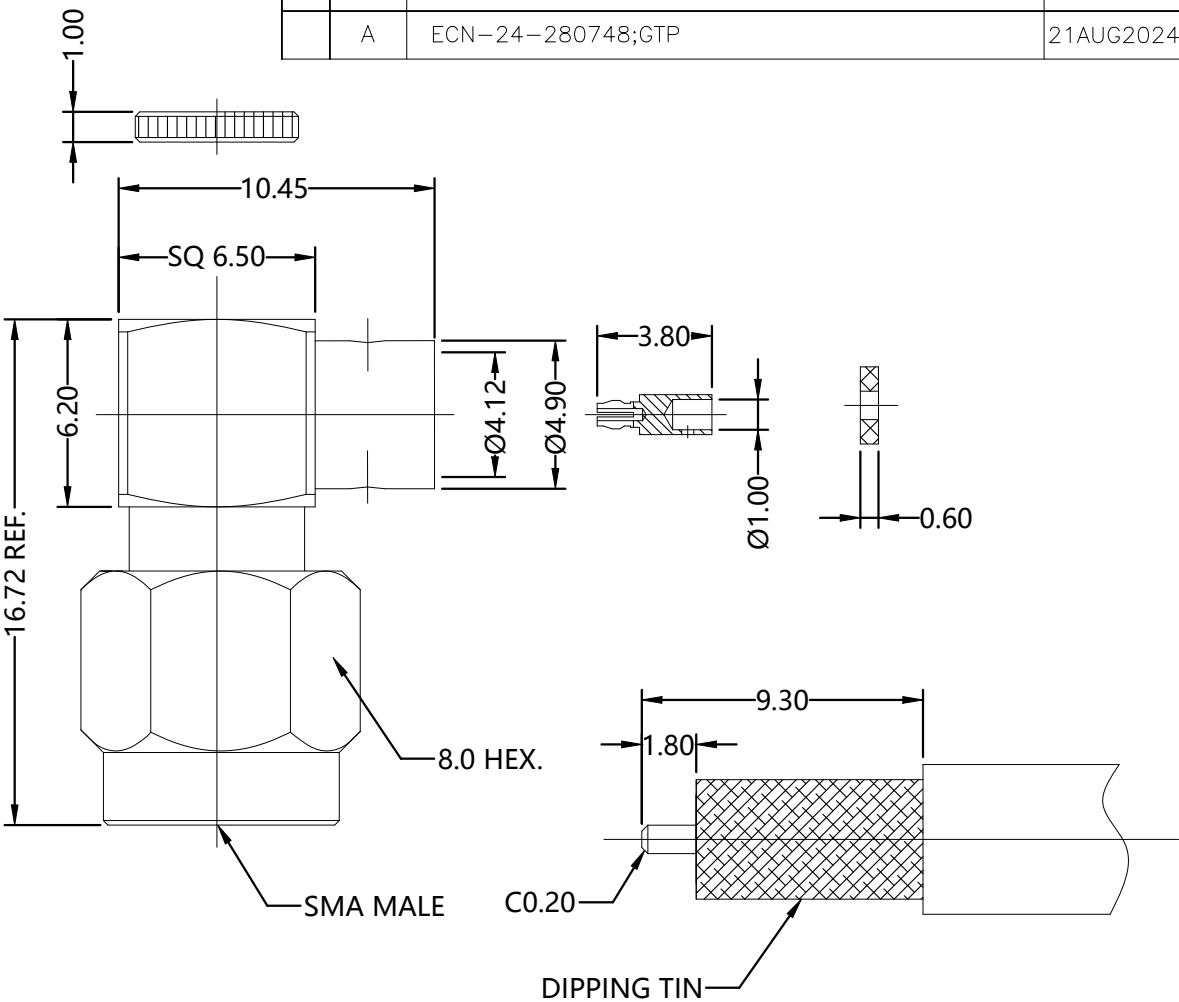
TEMPERATURE RANGE: -65°C TO +125°C

THERMAL SHOCK: MIL-STD 202,METH.107,COND.B

VIBRATION: MIL-STD 202,METH.204,COND.D

SHOCK :MIL-STD 202,METH.213,COND.I

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECN-24-280748;GTP	21AUG2024	TP	WH



NOTES:

RECOMMENDED CABLE STRIPPING DIM'S

FINISH (PLATING THICKNESS IN MICRO-INCHES)

- 1 GOLD PL. 35u"/NICKEL PL.145u"
- 2 GOLD PL. 50u"/NICKEL PL. 50u"/COPPER PL 30u"
- 3 PASSIVATE

	1	NOTE 1	STAINLESS STEEL	CAP	5
	1	NOTE 3	STAINLESS STEEL	SHELL	4
	1	NOTE 2	BRASS C3604	CONTACT PIN	3
	1	NATURAL	PTFE ASTM-D-1710	INSULATOR	2
	1	NOTE 1	STAINLESS STEEL	BODY	1
	2486504-1	FINISH/PLATING	MATERIAL	DESCRIPTION	ITEM
QUANTITY PER ASSY			PARTS LIST		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 02MAY2024	TE Connectivity		
		CHK TP 2486504-1			
DIMENSIONS: mm		APVD WH 2486504-1	NAME		
		PRODUCT SPEC	SMA PLUG RA SS RG-142-U SOLDER 50 OHM		
		SEE NOTES			
		APPLICATION SPEC			
MATERIAL		WEIGHT 3.69 g	SIZE A3	CAGE CODE 00779	RESTRICTED TO
SEE TABLE		CUSTOMER DRAWING	SCALE 1:1	SHEET 1 OF 1	REV A

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[2486504-1](#)