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RELEASED FOR PUBLICATION

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO 15-016912	12-14-15	CT	BM

ELECTRICAL

MECHANICAL

ENVIRONMENTAL

IMPEDANCE (Ohms): 50 NOMINAL

FREQUENCY RANGE (GHz):
DC TO 6

VOLTAGE RATING (VRMS):
325 MIN

VSWR: 1.5:1 MAX @ 6 GHz

I.R. (MEGOHMS): 5000 MIN

D.W.V. (VRMS @
SEA LEVEL): 325 MIN

CONTACT RESISTANCE
(MILLIOHMS):
CENTER: 10
OUTER: 1.5

FORCE TO ENGAGE
(LBS): 3.0 MAX

FORCE TO DISENGAGE
(OZS): 5.0 MIN

DURABILITY (CYCLES):
500 MIN

CABLE RETENTION
(LBS): 10 MIN

TEMPERATURE RATING
(°C): -65 TO +85

VIBRATION: MIL-STD-202,
METHOD 204, CONDITION D

SHOCK: MIL-STD-202,
METHOD 213, CONDITION A

THERMAL SHOCK: MIL-STD-202,
METHOD 107, CONDITION A,
EXCEPT LOW TEMP -65

MOISTURE RESISTANCE:
MIL-STD-202, METHOD 106

CORROSION: MIL-STD-202,
METHOD 101, CONDITION B

1 MATERIALS:
SHELL AND CONTACT: LEADED NICKEL COPPER ALLOY
INNER FERRULE: BRASS PER ASTM B 16
DIELECTRIC: PTFE PER ASTM D 1710
FERRULE: COPPER PER ASTM B 187

2 FINISHES:
SHELL, CONTACT AND INNER FERRULE: .000050 [1.27 μm]
MIN THICK GOLD PLATE ON MATING SURFACES PER
ASTM B 488 OVER NICKEL PLATE PER QQ-N-290
FERRULE: .000030 [0.76 μm] MIN THICK GOLD PLATE
PER ASTM B 488

3 PARTS COME PACKAGED UNASSEMBLED

4. FOR USE WITH DOUBLE SHIELED RG-316/U CABLE (RD-316)

5. MATING PART NUMBER IS 2286270-1, DOES NO MATE WITH
OTHER INDUSTRY STANDARD SIZE 12 PARTS.

Dimensions:

- Overall length: .87 [22] BEFORE CRIMPING
- Length to contact: .612 [15.54]
- Contact diameter: $\varnothing .094 \pm .001$ [2.39 ± 0.02]
- Shell diameter: $\varnothing .188 \pm .001$ [4.78 ± 0.02]
- Inner ferrule diameter: $\varnothing .102 \pm .002$ [2.59 ± 0.05]
- Ferrule diameter: $\varnothing .064 \pm .002$ [1.63 ± 0.05]

Labels: SHELL, CONTACT, DIELECTRIC, INNER FERRULE, FERRULE

Dimensions:

- Strip length: .170 [4.32]
- Strip thickness: .050 [1.27]
- Strip width: .130 [3.3]

RECOMMENDED STRIP LENGTHS

2286271-1

PART NUMBER

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DWN B. MOYER 08MAY2014

CHK C.C. THOMAS 12-14-15

APVD B. MOYER 12-14-15

PRODUCT SPEC TBD

APPLICATION SPEC TBD

WEIGHT 1.4 g

CUSTOMER DRAWING

DIMENSIONS:
INCHES [mm]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±-
2 PLC	±.01 [0.3]
3 PLC	±.005 [0.13]
4 PLC	±-
ANGLES	±-

MATERIAL

1

FINISH

2

TE Connectivity

NAME
ARINC, COAXIAL,
SIZE 12, PIN,
HIGH FREQUENCY

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

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C-2286271

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SCALE 5:1

SHEET 1 OF 1

REV A

1470-19 (3/13)