

REVISIONS LIST				
REV	ECO #	DESCRIPTION	DATE	APV'D
A		Initial Release		

SPECIFICATIONS

MECHANICAL

Endurance: 250 Mating Cycles
 Contact Retention: 44 N (Min)
 Insert Retention: 110 N
 Vibration (Sine): 10 to 2000 Hz, 20g
 Vibration (Random): 40 to 2000 Hz, 46.3g
 Mechanical Shock: 300g , 3ms

ELECTRICAL

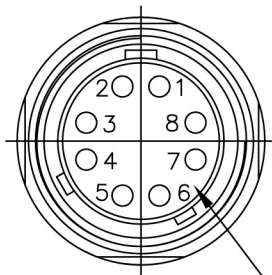
Dielectric Withstanding Voltage: 1000 Vrms/ 500Vrms @ 70,000 ft
 Current Rating: 3 Amp/contact
 Insulation Resistance: 500MΩ @ 500 Vdc

ENVIRONMENTAL

Operating Temp: -55°C TO + 150°C
 Sealing: 70,000 ft altitude immersion
 IP67 (mated)
 Salt Spray: 96 hr (Olive Drab Cadmium)
 48 hr (Electroless Nickel)
 48 hr (Zinc Black)

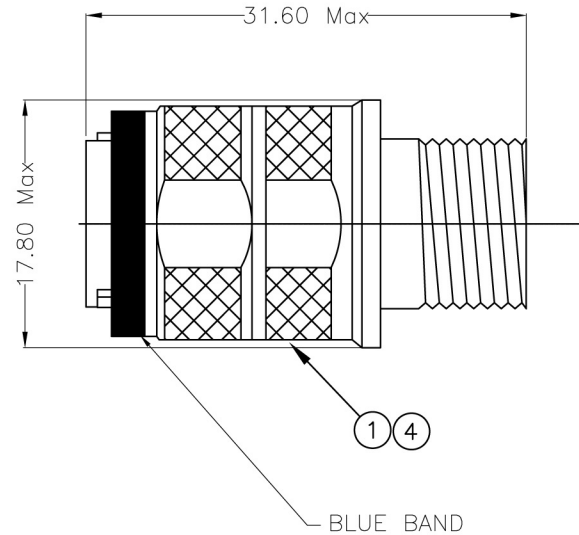
FUNCTIONAL PARAMETERS

Achieves Gigabit Speed with Cat 6a or Cat 7 wire



② ③

Insert Shown as Socket Arrangement



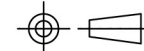
① ④

BLUE BAND

No.	Name	Material	Finish
1	Shell	Aluminum	Nickle Underplate
2	Insert	Engineering Plastic	Natural
3	Contact	Copper Alloy	2.54μm Ni - 1.27μm Au
4	Gaskets, Grommet & Interface Seals	Silicone or Fluorosilicone Elastomer	Natural

UNLESS NOTED
TOLERANCES ARE:
.X ± 0.38
.XX ± 0.25
ANGLES ± 1°

THIRD ANGLE
PROJECTION



1170 S. PATTON ST.
XENIA, OHIO 45385
PH: (937) 374-2700
FX: (937) 374-2717

UNIT: mm	DRWN: RLM
SCALE: NTS	DATE: 10/25/16
	CHK'D: RLM
SHEET: 1 OF 1	APV'D: RLM

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TITLE

NanoCat In-Line Plug

SPIP/N: SPI3876XCATXXXX

REV: A

CUSTOMER P/N: