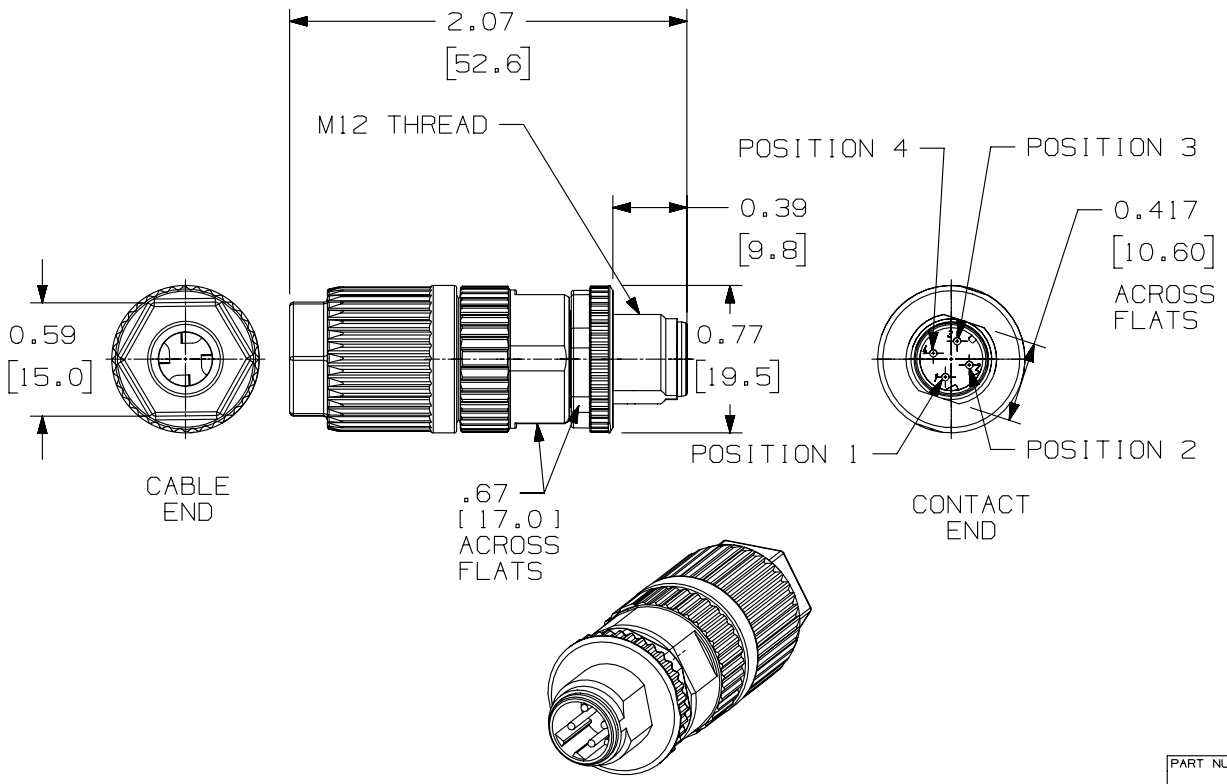
THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.



NOTES:
1. CONSTRUCTED TO MEET THE CONNECTOR STANDARDS ANSI/TIA-568-C.2 CAT5E ISO 11801, IEC 61076-2-101 AND IEC 60532-4.
2. THE TRANSMISSION PERFORMANCE IS 10/100MBIT ETHERNET AND IS ADEQUATE FOR PoE ACCORDING TO IEEE 802.3af AND PoE ACCORDING TO IEEE 802.3at
3. MEETS THE FOLLOWING CATEGORIES:
   A. CATEGORY 5E/CLASS EA PER ISO/IEC 11801 DIN EN 50173-1
4. ELECTRICAL:
   A. WORKING VOLTAGE: 50V
   B. WORKING CURRENT: 4A
   C. NUMBERS OF CONTACTS: 4
   D. CONTACT GENDER: PIN
5. MECHANICAL:
   A. TERMINATION CYCLES WITH SAME CROSS SECTION WIRE: 10
   B. RECOMMENDED TIGHTENING TORQUE: 0.443 FL/LBS [0.6N/M]
   C. HEXAGONAL WRENCH: SW 13MM
6. CABLE CONSTRUCTION ACCEPTANCE:
   A. CONDUCTOR DIAMETER:
      1. SOLID: 22/1 AWG-26/1 AWG
      2. STRANDED: 26/7 AWG-22/7 AWG, 0.017"-0.026" [0.42MM-0.66MM]
   B. INSULATION DIAMETER (DIAMETER OF DIELECTRIC (DOD)): 0.043"-0.079" [1.10MM-2.00MM]
   C. CABLE DIAMETER (DIAMETER OF JACKET (DOJ)): 0.177"-0.346" [4.5MM-8.8MM]
7. CONSTRUCTION:
   A. ALL MATERIALS AND COMPONENTS USED MUST MEET THE MATERIAL RESTRICTIONS OF RoHS, (EUROPEAN DIRECTIVE 2011/65/EU ON THE RESTRICTION OF HAZARDOUS SUBSTANCES) AS PROPOSED BY THE RoHS TECHNICAL ADAPTATION COMMITTEE.
   B. COMPONENT MATERIALS:
      1. LOCK NUT: (ZN) DIECAST/(NI) PLATED
      2. SEAL: PA 6.6 AND TPU
      3. SPLICE ELEMENT: (ZN) DIECAST, (NI), PLASTIC PART IS PA 6.6
      4. CONNECTOR HOUSING: (ZN) DIECAST, (NI) PLATED AND PLASTIC PART IS PA 6.6
      5. CONTACTS: BRASS/(AU) PLATED
8. ENVIRONMENTAL:
   A. OPERATING TEMPERATURE: -13° F-+185° F [-25° C-+85° C]
   B. STORAGE TEMPERATURE: -13° F-+185° F [-25° C-+85° C]
   C. INGRESS PROTECTION RATING (IP): IP65/IP67
9. WEIGHT: 1.02 LBS/10 PCS [462.66g/10 PCS]

REV	DATE	BY	CHK	APR	DESCRIPTION	ECN
1	3-24-14	BJN	DCS	GAZ	UPDATED	13M438AM-02
R	1-27-14	BJN	DCS	GAZ	RELEASED TO PRODUCTION	13M438AM-02

PART NUMBER: ISPS5E44MFA	PRODUCT SPEC/PKG SPEC: N/A
I.I. NUMBER: N/A	WORK INSTRUCTION: N/A

TITLE

FIELD TERMINABLE M12 D-CODE 4 POSITION PLUG CONNECTOR

CUSTOMER DRAWING

ITEM REVISION NAME: 13M438AM/00

DATASET FILE NAME: 13M438AM_DC02/00B

UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]

.X ± .1 [2.54] .XXX ± .005 [.127]
.XX ± .01 [.25] ANGLES ± 5 °

THIRD ANGLE PROJECTION

MATERIAL:

DRAWING NUMBER: 13M438AM-02

DRAWN BY	DATE	CHK	SCALE	SHT 1 OF 1	SIZE
BJN	1-27-14	DCS	FULL		A

D10100DA/14