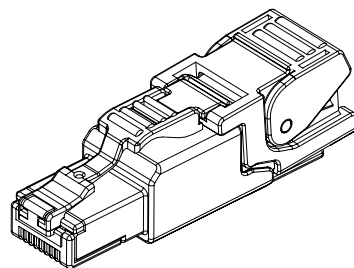
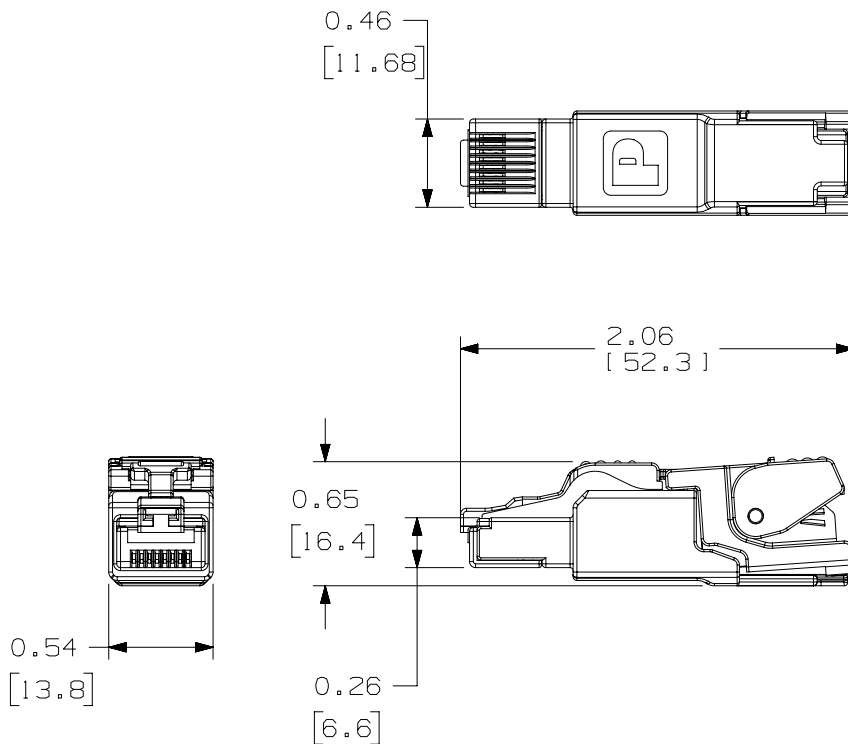

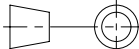


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NOTES:

- CONSTRUCTED TO MEET THE CONNECTOR STANDARD IEC 60603-7.
- THE TRANSMISSION PERFORMANCE IS 1 GIGABIT ETHERNET AND IS ADEQUATE FOR PoE ACCORDING TO IEEE 802.3af AND PoE ACCORDING TO IEEE 802.3at
- MEETS THE FOLLOWING CATEGORIES:
 - EXCEEDS CHANNEL AND PATCH CORD REQUIREMENTS OF ANSI/TIA-568-C.2 CATEGORY 6 AND CATEGORY 5e, AND ISO 11801 CLASS E AND CLASS D STANDARDS AT SWEPT FREQUENCIES UP TO 250 MHz & 100 MHz RESPECTIVELY AND MEETS ODVA ETHERNET/IP ELECTRICAL AND MECHANICAL PERFORMANCE WHEN INSTALLED WITH OTHER PANDUIT COMPONENTS.
 - MEETS THE CHANNEL REQUIREMENTS OF ANSI/TIA-568-C.2 CATEGORY 6A & ISO 11801 2ND EDITION CLASS E, IN A 4-CONNECTOR CONFIGURATION UP TO 100 METERS AT SWEPT FREQUENCIES UP TO 500MHz WHEN INSTALLED WITH OTHER PANDUIT CATEGORY 6A COMPONENTS.
- CABLE CONSTRUCTION ACCEPTANCE: FOR PART NUMBER: 1SPS688FAS
 - CONDUCTOR DIAMETER:
 - SOLID: 26/1-24/1 AWG, 0.016"-0.020" [0.41mm-0.51mm]
 - STRANDED: 27/7-24/7 AWG, 0.018"-0.024" [0.46mm-0.61mm]
 - STRANDED: 26/19 AWG, 0.020" [0.51mm]
 - INSULATION DIAMETER: 0.033"-0.039" [0.85mm-1.0mm]
 - CABLE DIAMETER: 0.197"-0.354" [5.0mm-9.0mm]
- CABLE CONSTRUCTION ACCEPTANCE: FOR PART NUMBER: 1SPS688FA
 - CONDUCTOR DIAMETERS:
 - SOLID: 24/1-22/1 AWG, 0.020"-0.025" [0.51mm-0.64mm]
 - STRANDED: 27/7-22/7 AWG, 0.018"-0.030" [0.46mm-0.76mm]
 - STRANDED: 24/19-22/19 AWG, 0.024"-0.031" [0.61mm-0.78mm]
 - INSULATION DIAMETER: 0.039"-0.063" [1.0mm-1.6mm]
 - CABLE DIAMETER: CABLE DIAMETER: 0.197"-0.354" [5.0mm-9.0mm]
- CONSTRUCTION:
 - 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.
 - COMPONENT MATERIALS:
 - CONNECTOR HOUSING: ZINC DIECAST WITH (NI) PLATING
 - WIRE PRESORTING, CONTACT HOUSING: PC UL 94V-0
 - HOOK, STRAIN RELIEF LEVER, PROTECTION CAP: PC UL 94V-0
 - PCB: FR4 UL 94V-0
 - PIERCING CONTACTS: PHOSPHOR BRONZE (MIN 3.6um (Sn) PLATED)
 - SHIELD CONTACT: BRASS 2.5um (NI); 2.5um (NI) PLATED
 - CONTACTS: SPRING STEEL
 - CONTACT FINISH: MINIMUM 0.8um (AU) ON 1.2um (NI)
- ENVIRONMENTAL:
 - OPERATING TEMPERATURE: -40° F TO +185° F [-40° C TO +85° C]
 - STORAGE TEMPERATURE: -40° F TO +185° F [-40° C TO +85° C]
 - INGRESS PROTECTION RATING (IP): IP20
- c(UL)us MEETS UL1863, CSA 22.2.
- MEETS OR EXCEEDS ANSI/TIA-568-C.2 CATEGORY 6A/ISO 11801 CLASS E, PATCH CORD REQUIREMENTS WHEN USED WITH PSM7004 PANDUIT CABLE
- WEIGHT:
 - COMPLETE PLUG - 0.42 LBS/10 PCS (189.32g/10PCS) WITHOUT PROTECTIVE CAP.
 - WIRE MANAGER ONLY - 0.07LBS/10PCS (35.00g/10PCS).

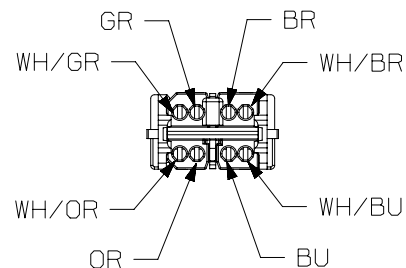
PART NUMBER		PRODUCT SPEC/PKG SPEC	
SEE TABLE 1, SHEET 2		N/A	
I.I. NUMBER		WORK INSTRUCTION	
N/A		N/A	
TITLE			
FIELD TERMINABLE CATEGORY 6A SHIELDED RJ45 PLUG CONNECTORS AND WIRE MANAGERS			
CUSTOMER DRAWING			
ITEM REVISION NAME			
13M438AA/02			
DATASET FILE NAME			
13M438AA_DC02/02A			
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]		MATERIAL:	
.x ± .1 [2.54] .xxx ± .005 [.127] .xx ± .01 [.25] ANGLES ± 5 °		SEE NOTES	
		DRAWING NUMBER:	
THIRD ANGLE PROJECTION		13M438AA - 02	
DRAWN BY	DATE	CHK	SCALE
BJN	1-14-14	DCS	NONE
		SHT 1 OF 2	
		SIZE	
		A	

DUST CAP REMOVED
IN ALL VIEWS

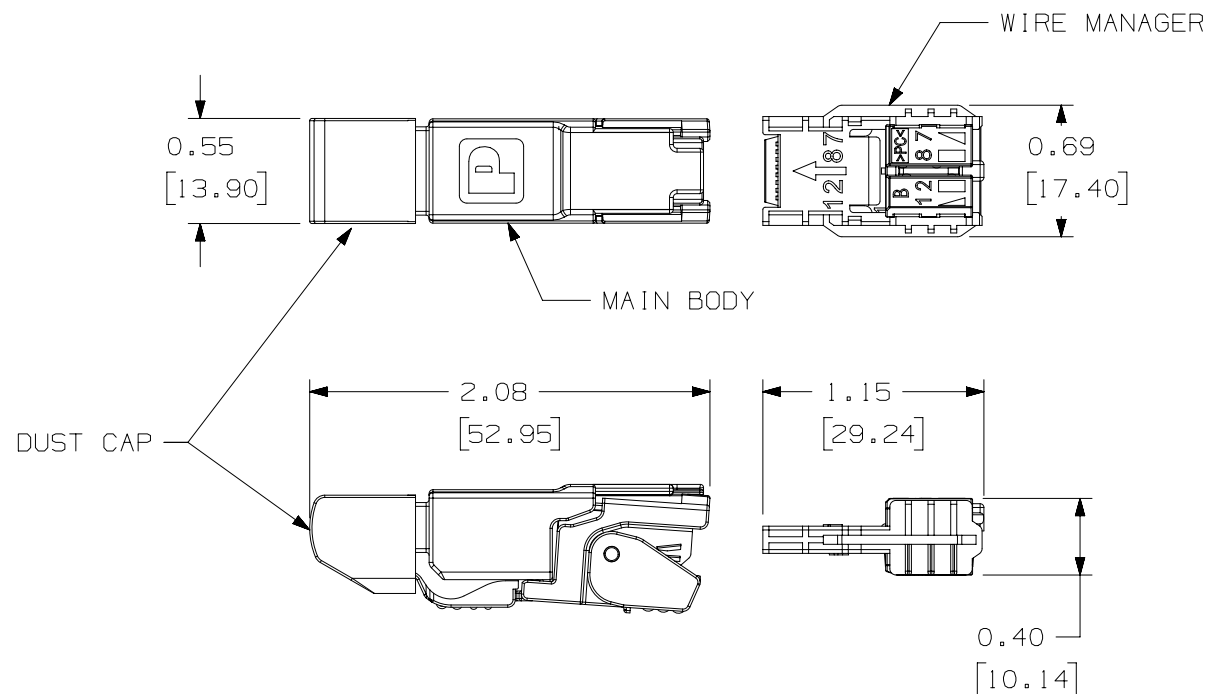
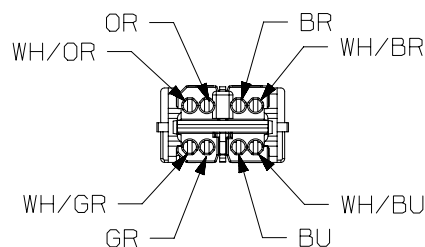
REV	DATE	BY	CHK	APR	DESCRIPTION	ECN
5	9-23-15	MDJR	DCS	GAZ	A. UPDATED DRAWING FOR WIRE MANAGER DETAILS.	13M438AA-02
4	7-16-14	BJN	DCS	GAZ	REVISED & REDRAWN PREVIOUS REVISIONS REMVD FOR CLARITY	13M438AA-02

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PIN ASSIGNMENT T568A
ACCORDING TO TIA-568-C.2



PIN ASSIGNMENT T568B
ACCORDING TO TIA-568-C.2


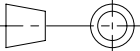


DUST CAP SHOWN IN ABOVE VIEWS

TABLE 1

PART NUMBERS

COMPLETE ASSEMBLY		WIRE MANAGER (ONLY)	
ISPS688FA		ISPS688FA-WM	
ISPS688FAS		ISPS688FAS-WM	

PART NUMBER		PRODUCT SPEC/PKG SPEC	
SEE TABLE 1		N/A	
I.T. NUMBER		WORK INSTRUCTION	
N/A		N/A	
TITLE			
FIELD TERMINABLE CATEGORY 6A SHIELDED RJ45 PLUG CONNECTORS AND WIRE MANAGERS			
CUSTOMER DRAWING			
ITEM REVISION NAME			
13M438AA/02			
DATASET FILE NAME			
13M438AA_DC02/02A			
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: IN [mm]		MATERIAL :	
.x ± .1 [2.54] .xxx ± .005 [.127]		SEE NOTES ON SHEET 1	
.xx ± .01 [.25] ANGLES ± 5 °			
		DRAWING NUMBER:	
THIRD ANGLE PROJECTION		13M438AA - 02	
DRAWN BY	DATE	CHK	SCALE
BJN	1-14-14	DCS	NONE
		SHT 2 OF 2	
		SIZE	
		A	