

NOTES:

- MATERIAL: RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - HOOD COVERS, BODY, SLIDE & END CAP : PBT GLASS REINFORCED, COLOUR: BLACK
 - HOOD LOCK: PBT GLASS REINFORCED, COLOUR: RED
 - GASKETS & GROMMET: SILICONE RUBBER, COLOUR: BLACK
 - PLUG SHIELD: STAINLESS STEEL, NICKEL PLATED
 - PLUG INSERTS: HIGH TEMPERATURE RESISTANT ENGINEERING THERMOPLASTIC UL94V-0, BLACK
 - CONTACTS: COPPER ALLOY PLATED WITH GOLD OR PALLADIUM-NICKEL (SEE ORDERING CODE) OVER 1.27µm (50µ") MINIMUM NICKEL ON THE MATING AREA
 - CABLE: PVC INSULATED, 4X2 TWISTED PAIR 26 AWG COPPER, METAL WRAPPED PAIRS & OVERALL BRAID
- IX CONNECTOR DESIGNED TO CONFORM TO REQUIREMENTS OF IEC 61076 PART 3-124 SPECIFICATION. THE TYPE A KEY FEATURE SHOWN IS INTENDED FOR USE WITH ETHERNET APPLICATIONS, EITHER 10/100 Mbit/S OR 1 TO 10 Gbit/S (CAT 5e, 6 & 6A). THE ALTERNATE B KEY CAN BE USED IN A COMPLEX ETHERNET APPLICATION TO HELP CONTROL MATING PLUG INSTALLATIONS.
- CURRENT RATING: 1.5 AMPERES, VOLTAGE RATING: 50V AC rms OR 60V DC
- OPERATING TEMPERATURE -40° TO +80°C.
- DIELECTRIC WITHSTANDING VOLTAGE: 500V DC
- INSULATION RESISTANCE: 500 MEGOHMS MINIMUM.
- NDH-N4XX-AXXA HOOD WITH CABLE IS PART OF AN IP67 SEALED SOLUTION WITH PUSH/PULL MATING FOR IX INDUSTRIAL ETHERNET APPLICATIONS. THE IP67 RATING APPLIES IN THE MATED CONDITION FOR BOTH THE ENCLOSURE AND THE MATING INTERFACE.
- FOR THE PCB MOUNTED MATING RECEPTACLE, REFER TO AMPHENOL DRAWINGS P-ND9-AS3X-00 AND P-ND9-BS3X-00. THE RECEPTACLE IS A HORIZONTAL STYLE RIGHT ANGLE IX INDUSTRIAL CONNECTOR.
- FOR THE BULKHEAD, REFER TO AMPHENOL DRAWING P-NDH-N200.
- HOOD WITH CABLE ASSEMBLIES ARE INDIVIDUALLY PACKED IN BAGS. QUANTITY PER CARTON VARIES WITH CABLE LENGTH.
- TO ORDER HOOD & PLUG PARTS SEPARATELY, REFER TO AMPHENOL DRAWING P-NDH-N3XX.

ORDERING CODE: NDH - N4XX - AXXA

SERIES, INDUSTRIAL SQUARE PUSH/PULL DESIGN

IX INDUSTRIAL

KIT CONFIGURATION:
4 = HOOD + CABLE ASSY

IX PLUG KEY TYPE:
A = A KEY
B = B KEY

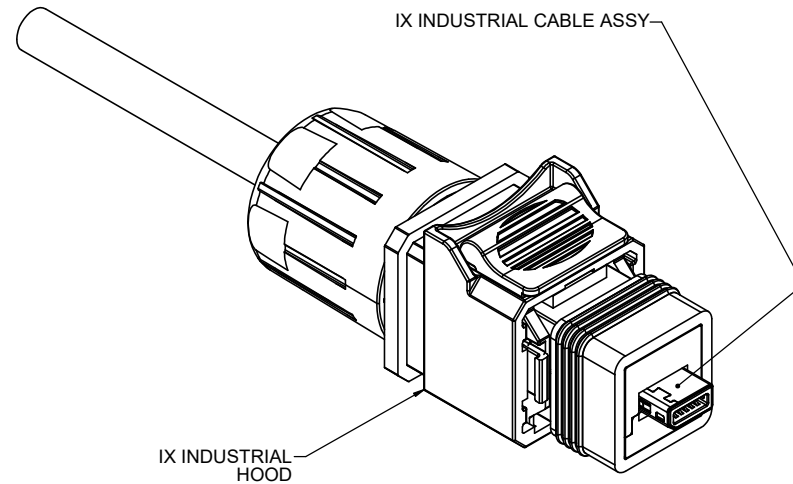
PLATING FOR IX PLUG MATING AREA
1 = GOLD FLASH
2 = 0.20µm (8µ") GOLD
3 = 0.76µm (30µ") GOLD
4 = 1.27µm (50µ") GOLD
7 = 0.76µm (30µ") PALLADIUM NICKEL WITH GOLD FLASH

IX CABLE ASSEMBLY WITH IX PLUG ONE END ONLY, PIGTAIL OTHER END

8 WIRE CABLE

CABLE LENGTH (DIMENSION 'A')	
	LENGTH IN CM
20 TO 99	
A0 TO A9	1 METER + 0 TO 9 DECIMETERS
B0 TO B9	2 METERS + 0 TO 9 DECIMETERS
C0 TO C9	3 METERS + 0 TO 9 DECIMETERS
D0 TO D9	4 METERS + 0 TO 9 DECIMETERS
E0 TO E9	5 METERS + 0 TO 9 DECIMETERS
F0 TO F9	6 METERS + 0 TO 9 DECIMETERS
G0 TO G9	7 METERS + 0 TO 9 DECIMETERS
H0 TO H9	8 METERS + 0 TO 9 DECIMETERS
J0 TO J9	9 METERS + 0 TO 9 DECIMETERS
K0 TO K9	10 METERS + 0 TO 9 METERS
L0 TO L9	20 METERS + 0 TO 9 METERS
M0 TO M9	30 METERS + 0 TO 9 DECAMETERS

CABLE LENGTH ORDERING CODE EXAMPLES:
75cm = F5 6.3m = F3 25m = L5 80m = M5

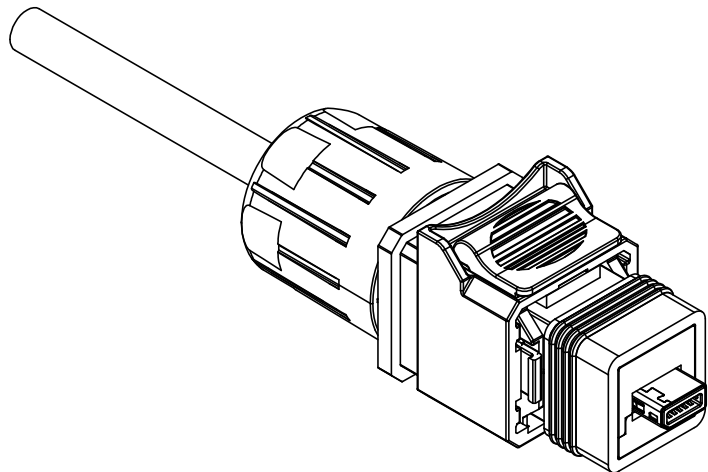


UNLESS SPECIFIED OTHERWISE	DRAWN	T. TRAN	SEP23/21
PRIMARY UNITS MILLIMETRES	CHECKED	K.LAMBIE	OCT5/21
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14988	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

AmpheNol Canada Corp.
Commercial Products

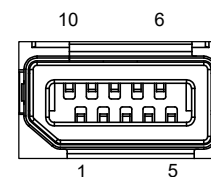
NDH SERIES IX INDUSTRIAL HOOD WITH PIGTAIL CABLE ASSY, IP67 RATING, CAT6A PERFORMANCE RoHS COMPLIANT

DWG. NO.	P-NDH-N4XX-AXXA	REV	A
CODE ID NO.	03554	DWG SIZE:	X
SCALE:	2:1	SHEET	1 OF 3

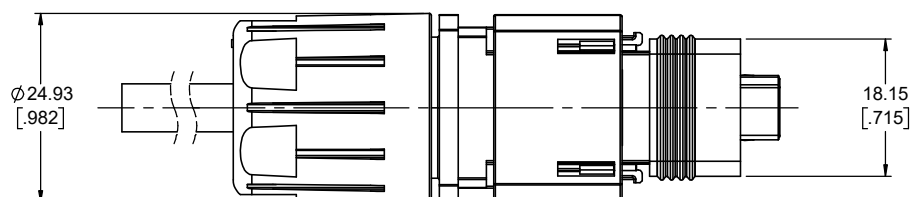
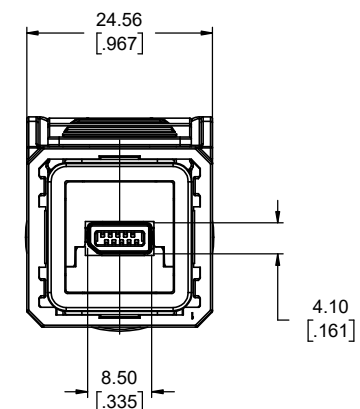
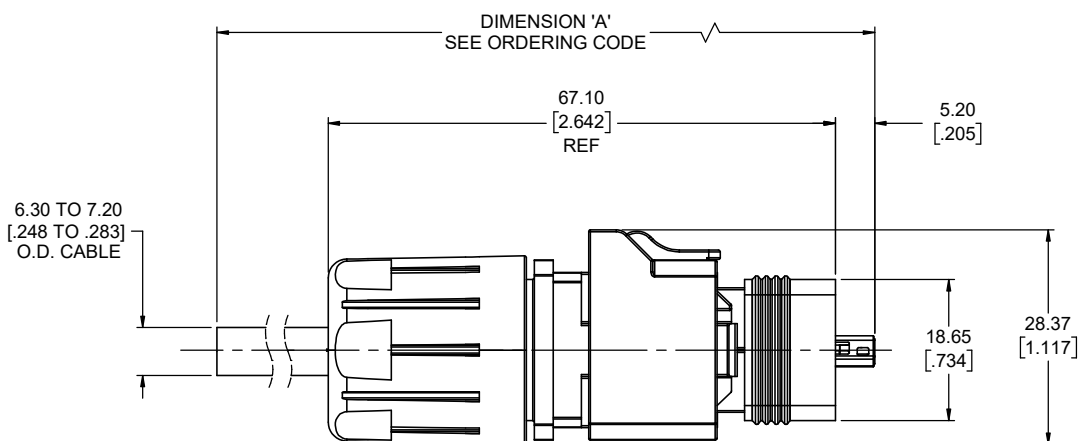
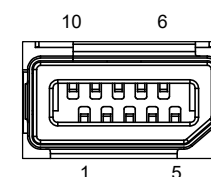


REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PRODUCT DRAWING (EAR 14988)	OCT5/21	K.L.

TYPE A KEY
CUT CORNER AT POSITION 1



TYPE B KEY
CUT CORNER AT POSITION 5



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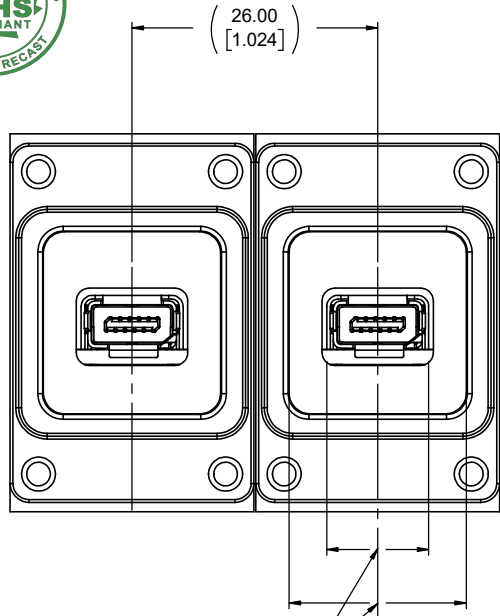
DWG. NO. **P-NDH-N4XX-AXXA** REV **A**

CODE ID NO. 03554 | DWG SIZE: X | SCALE: 2:1 | SHEET 2 OF 3

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BULKHEAD PORT SPACING



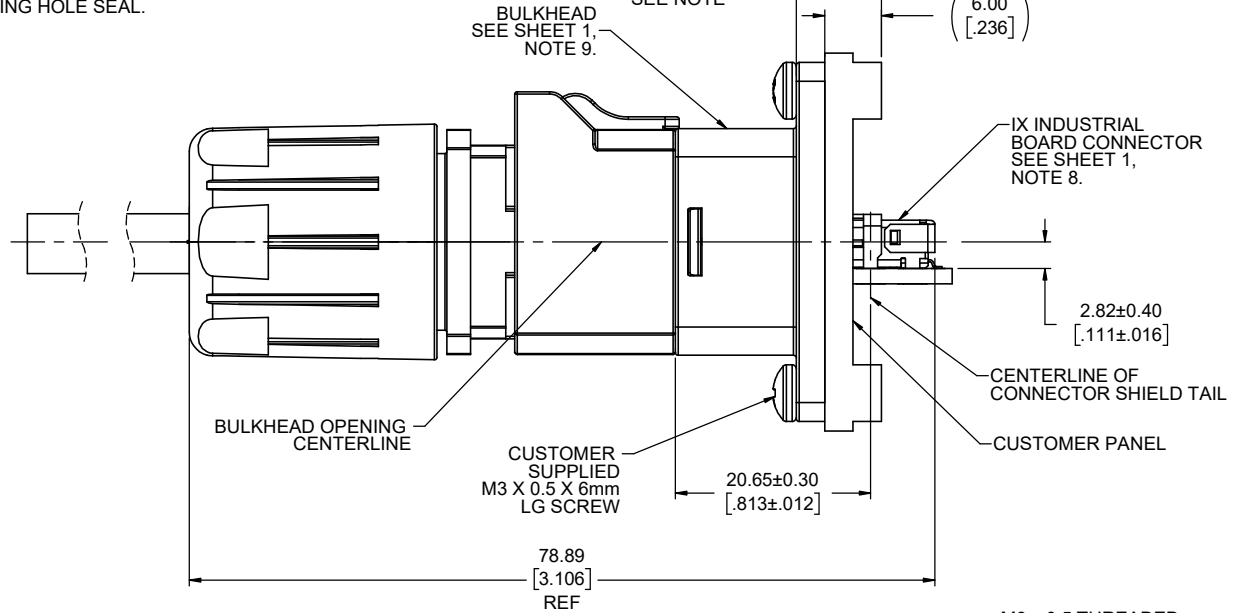
±0.6mm CENTERING OF THE BOARD CONNECTOR WITH BULKHEAD CAVITY

APPLICATION NOTE:

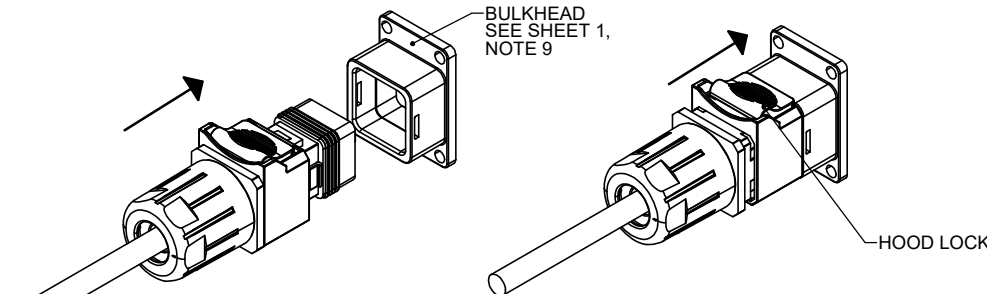
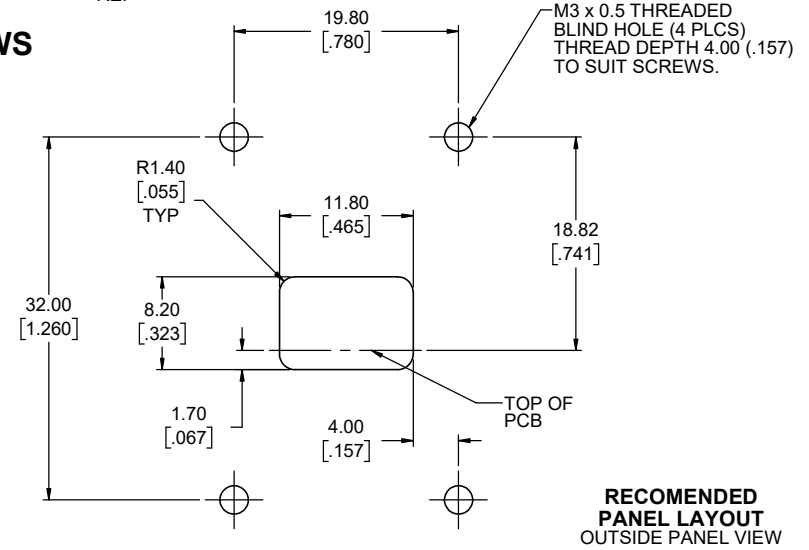
- IF A CAST OR MOULDED PANEL IS NOT DESIRED TO ACHIEVE A BLIND HOLE SUITABLE FOR THE 6mm THREAD LENGTH, BLIND SEALED PEM NUTS OR MOUNTING SCREWS WITH A BUILT IN O-RING UNDER THE SEALING HEAD CAN ALSO BE USED TO ACHIEVE A PROPER MOUNTING HOLE SEAL.

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[.354]

SUITABLE FOR 6mm THREAD LENGTH SEE NOTE



APPLICATION VIEWS



STEP 1
 INSERT NDH IX INDUSTRIAL HOOD / PLUG ASSEMBLY INTO PANEL MOUNTED BULKHEAD

STEP 2
 PUSH THE HOOD LOCK FORWARD UNTIL ASSEMBLY SNAPS INTO POSITION. TO UN-MATE, PULL THE HOOD LOCK BACKWARD BEFORE PULLING ON THE HOOD / PLUG.

MATING PROCEDURE

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Amphenol Canada Corp. Commercial Products	
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DWG. NO.	REV
P-NDH-N4XX-AXXA	A
CODE ID NO. 03554	DWG SIZE: X SCALE: X SHEET 3 OF 3