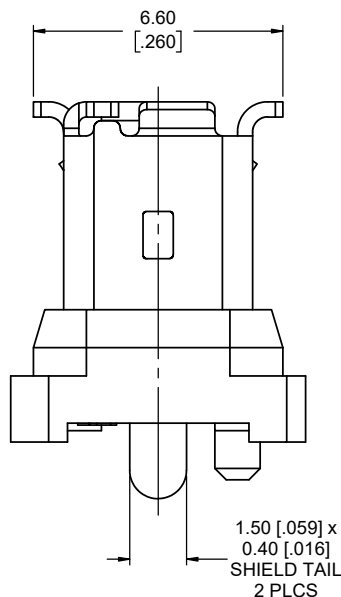
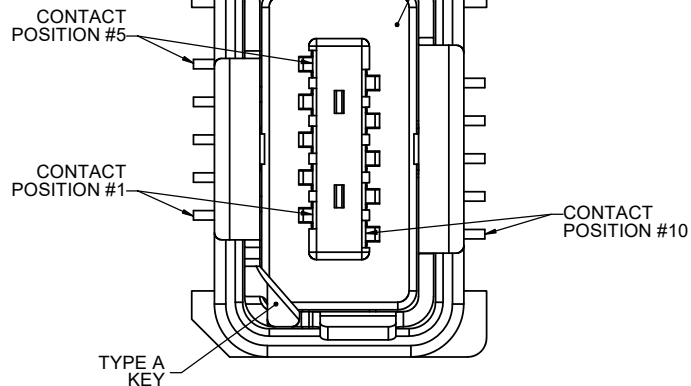


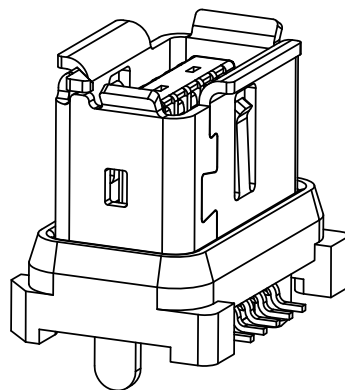


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ORDERING CODE: **N D 9 - A S 2 X - 0 0**

SERIES, _____
IX INDUSTRIAL ETHERNET
TYPE A KEY FOR ETHERNET
SOCKET / RECEPTACLE
VERTICAL _____
PLATING FOR 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
STANDARD _____



MATING INTERFACE
PER IEC 61076-3-124
SPECIFICATION

DATE CODE
INK MARKING

10.09
[.397]
REF

10.50
[.413]
REF

1.50±0.20
[.059±.008]

9.00
[.354]

9.00
[.354]

0.25 [.010] x
0.20 [.008]
SMT TAIL
10 PLCS

11.00±0.20
[.433±.008]

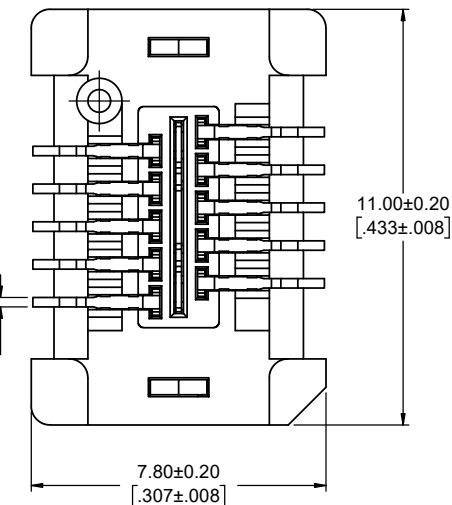
7.80±0.20
[.307±.008]

NOTES:

- MATERIAL: RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - SHIELD: STAINLESS STEEL, MATTE TIN OVER NICKEL PLATED.
 - INSERTS: HIGH TEMPERATURE RESISTANT ENGINEERING THERMOPLASTIC, GLASS REINFORCED, 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 AND MATTE TIN ON THE SMT TAILS.
 - MID-PLATE: STAINLESS STEEL, NICKEL PLATED
- CONNECTORS ARE PROVIDED IN TAPE & REEL PACKAGING FOR PICK & PLACE PROCESSING AND ARE SUITABLE FOR IR REFLOW SOLDERING OF PIN IN PASTE SHIELD TAILS AND SURFACE MOUNT CONTACT TAILS.
- 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).
- CURRENT RATING: 1.5 AMPERES, VOLTAGE RATING: 50V AC rms OR 60V DC
- OPERATING TEMPERATURE -55° TO +105°C.
- DIELECTRIC WITHSTANDING VOLTAGE: 500V DC
- CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
- INSULATION RESISTANCE: 500 MEGOHMS MINIMUM.
- MATING & UNMATING FORCE: 25N (5.6 lbf) MAXIMUM.

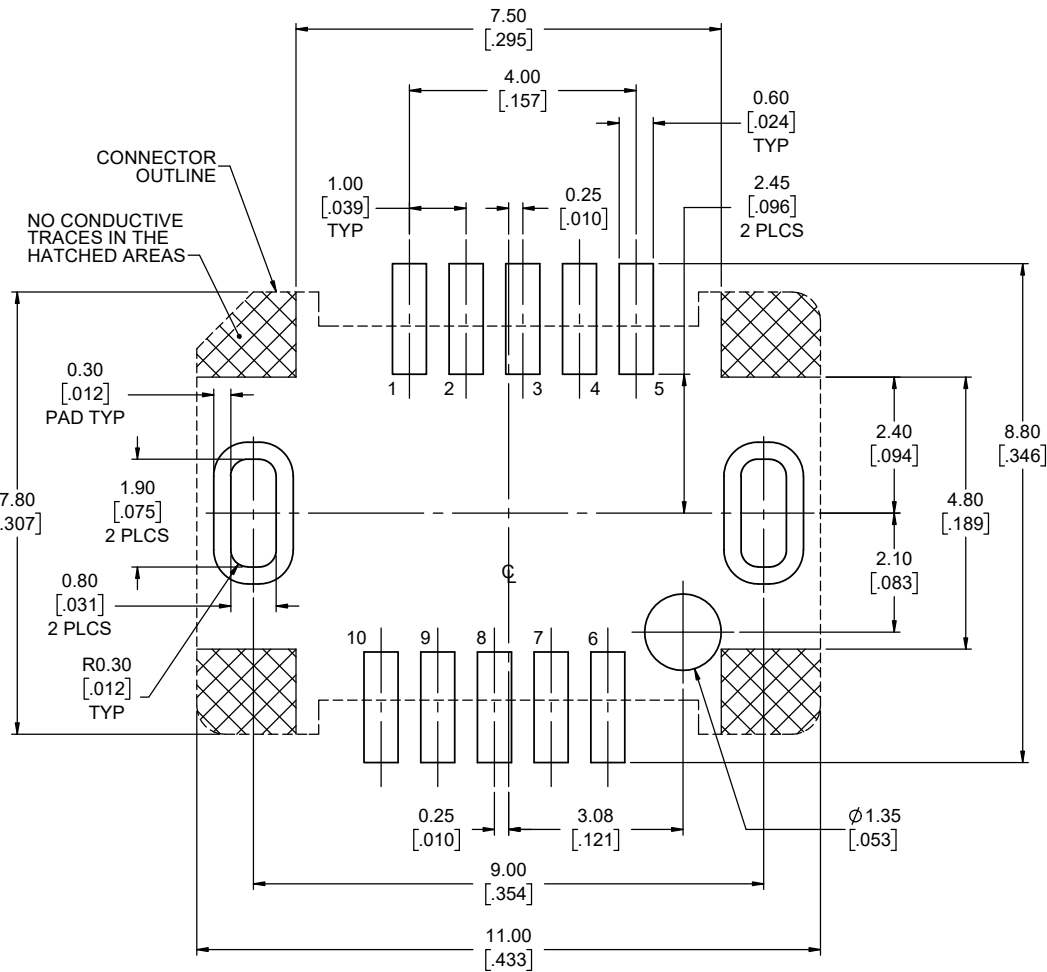
UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAR14/19
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAR14/19
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14720	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES			

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PRODUCT DRAWING (EAR 14869)	SEP29/20	K.L.
E	PRODUCT DRAWING (EAR 14912)	DEC2/20	K.L.



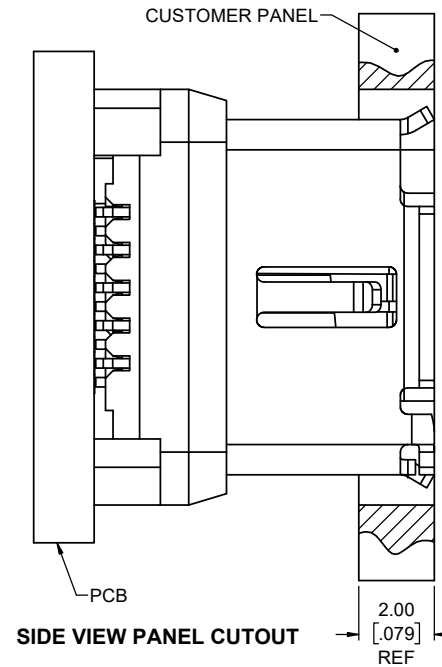
Amphenol Canada Corp. Commercial Products			
IX INDUSTRIAL CONNECTOR, 10 POSITION VERTICAL SMT TERMINATION, CAT 6A HIGH SPEED PERFORMANCE, TYPE A KEY, RoHS COMPLIANT			
P-ND9-AS2X-00		REV	E
CODE ID NO. 03554	DWG SIZE: X	SCALE: 10:1	SHEET 1 OF 2

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PRODUCT DRAWING (EAR 14869)	SEP29/20	K.L.
E	PRODUCT DRAWING (EAR 14912)	DEC2/20	K.L.

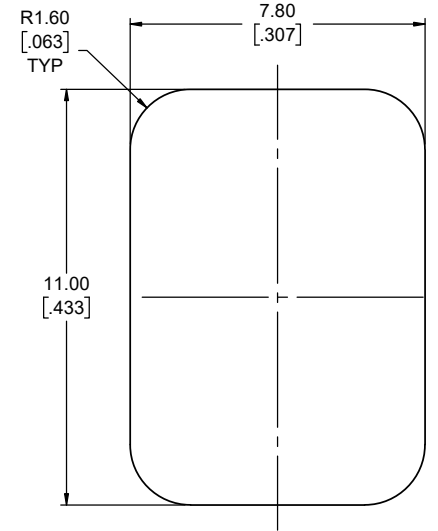


RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD
SCALE 15:1
GENERAL TOLERANCE ±0.05mm
FOR THIS VIEW

LOCATE HOLES & PADS
Ø 0.13 [0.005] DIA
POSITION DIMENSIONS
ARE BASIC



SIDE VIEW PANEL CUTOUT



RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL

CONNECTOR PIN ASSIGNMENT		
POSITION NUMBER	PIN ASSIGNMENT 10 OR 100 Mbit/S ETHERNET	PIN ASSIGNMENT 1, 2.5, 5 OR 10 Gbit/S ETHERNET
1	TX +	BI_DA +
2	TX -	BI_DA -
3	NOT USED	
4	NOT USED	BI_DC +
5	NOT USED	BI_DC -
6	RX +	BI_DB +
7	RX -	BI_DB -
8	NOT USED	GND
9	NOT USED	BI_DD +
10	NOT USED	BI_DD -



UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAR14/19
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAR14/19
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14720	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

Amphenol Canada Corp. Commercial Products			
IX INDUSTRIAL CONNECTOR, 10 POSITION VERTICAL SMT TERMINATION, CAT 6A HIGH SPEED PERFORMANCE, TYPE A KEY, RoHS COMPLIANT			
P-ND9-AS2X-00			REV E
DWG. NO.	CODE ID NO. 03554	DWG SIZE: X	SCALE: 10:1 SHEET 2 OF 2