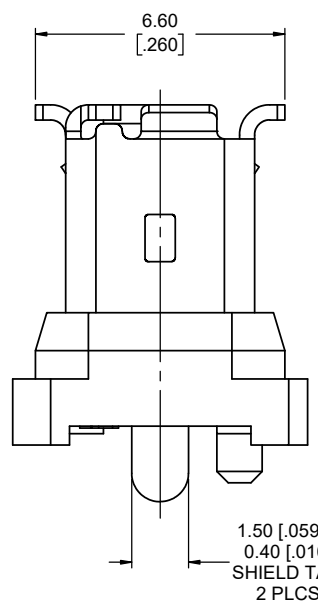
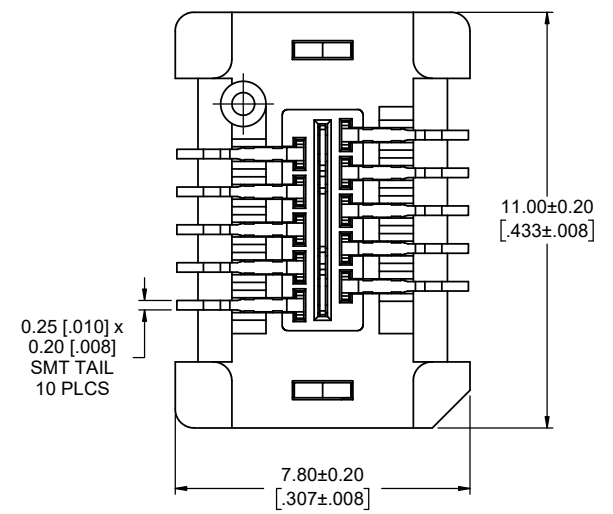
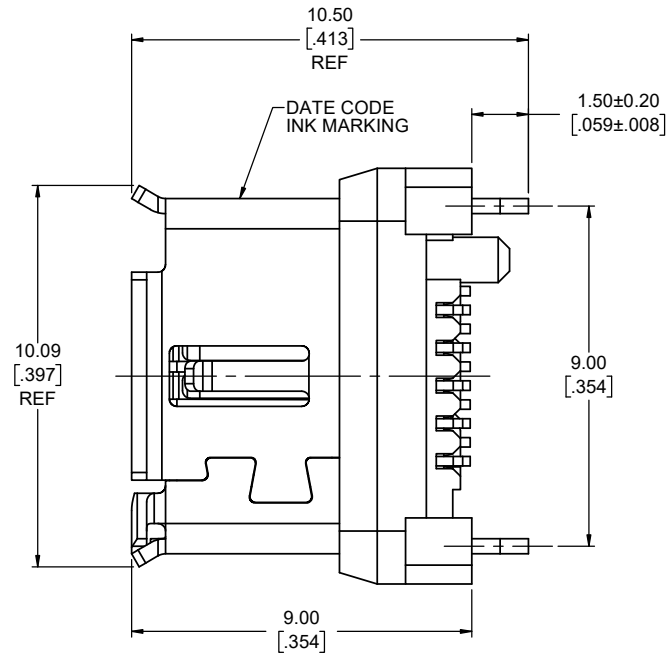
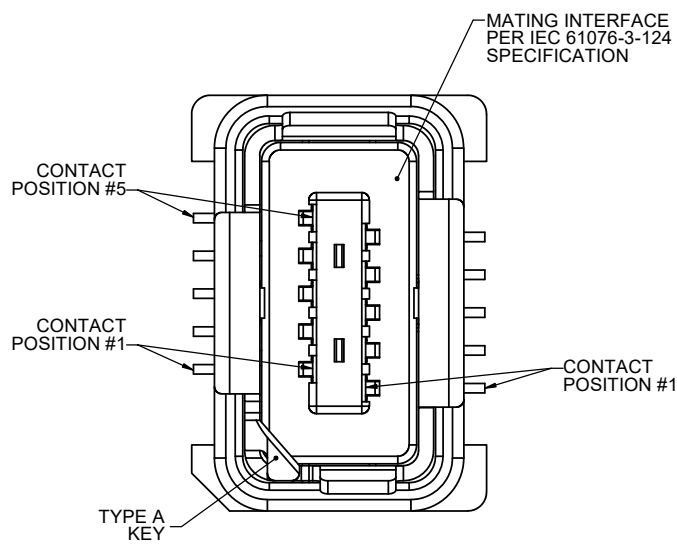
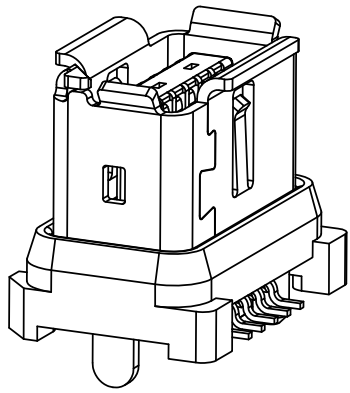


REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PRODUCT DRAWING (EAR 14869)	SEP29/20	K.L.
E	PRODUCT DRAWING (EAR 14912)	DEC2/20	K.L.



**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 \_\_\_\_\_



**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	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

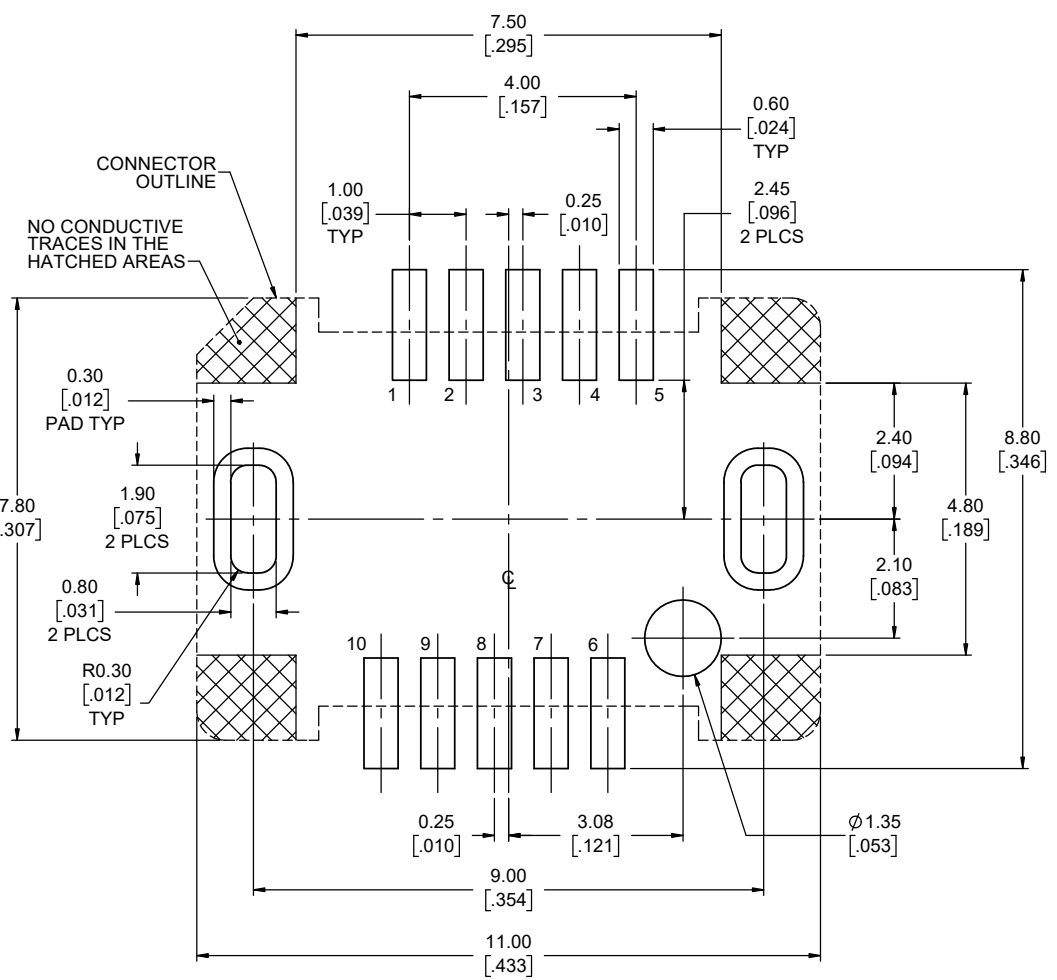
**Amphenol Canada Corp.**  
Commercial Products

**IX INDUSTRIAL CONNECTOR, 10 POSITION VERTICAL SMT TERMINATION, CAT 6A HIGH SPEED PERFORMANCE, TYPE A KEY, RoHS COMPLIANT**

DWG. NO. **P-ND9-AS2X-00** REV **E**

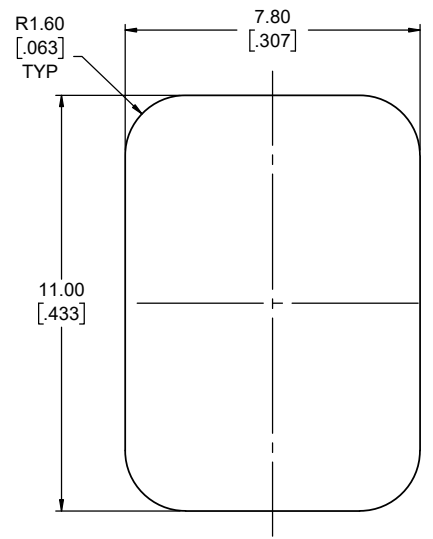
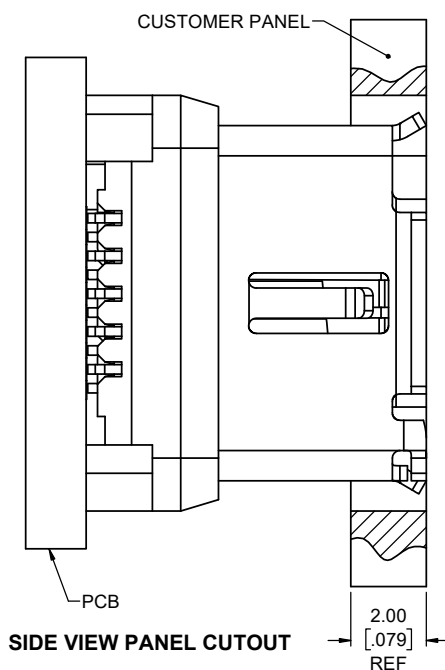
CODE ID NO. 03554 DWG SIZE: X SCALE: 10:1 SHEET 1 OF 2

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 [.005] DIA  
 POSITION DIMENSIONS  
 ARE BASIC



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 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		

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**IX INDUSTRIAL CONNECTOR, 10 POSITION VERTICAL SMT TERMINATION, CAT 6A HIGH SPEED PERFORMANCE, TYPE A KEY, RoHS COMPLIANT**

DWG. NO. **P-ND9-AS2X-00** REV **E**

CODE ID NO. 03554 DWG SIZE: X SCALE: 10:1 SHEET 2 OF 2