

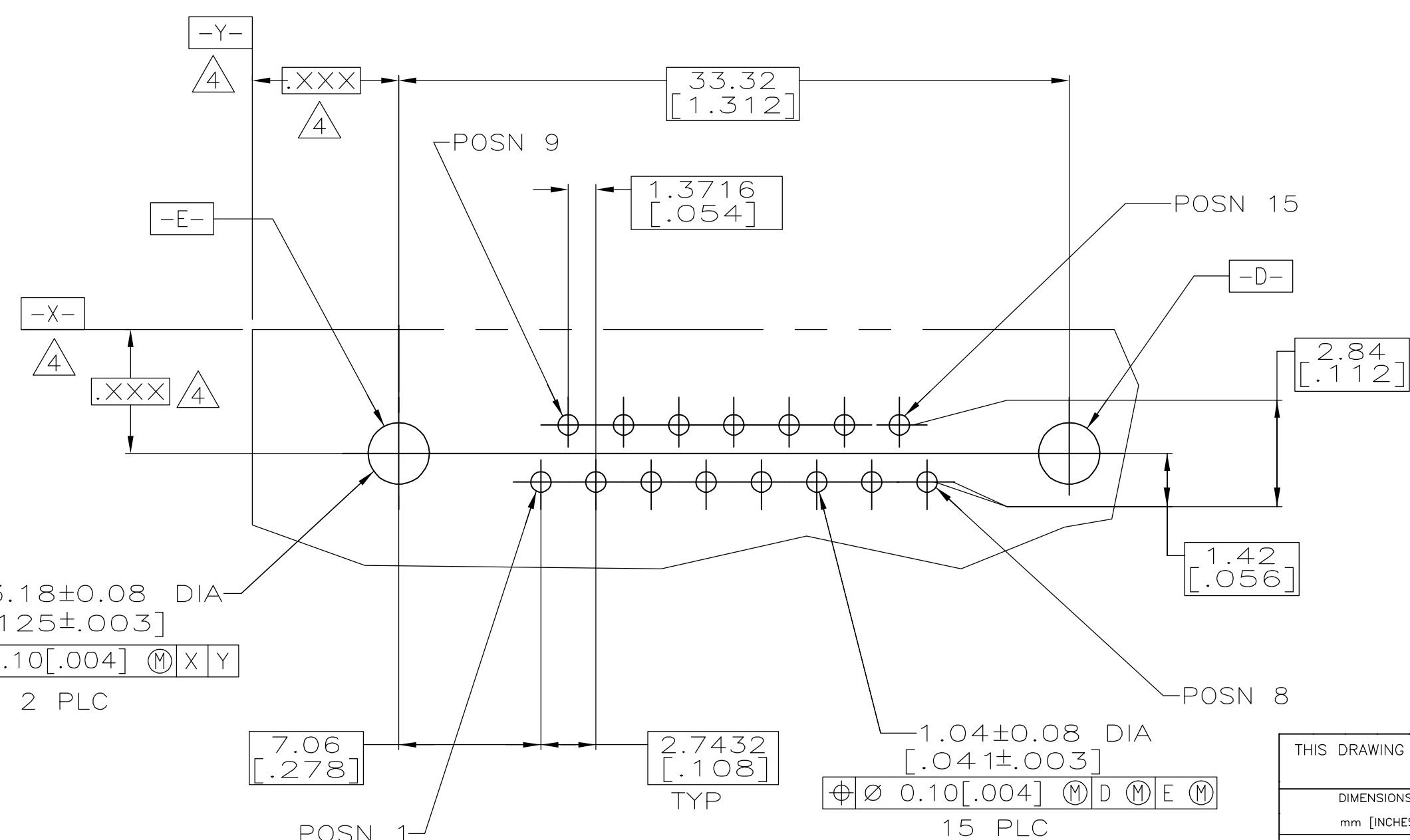
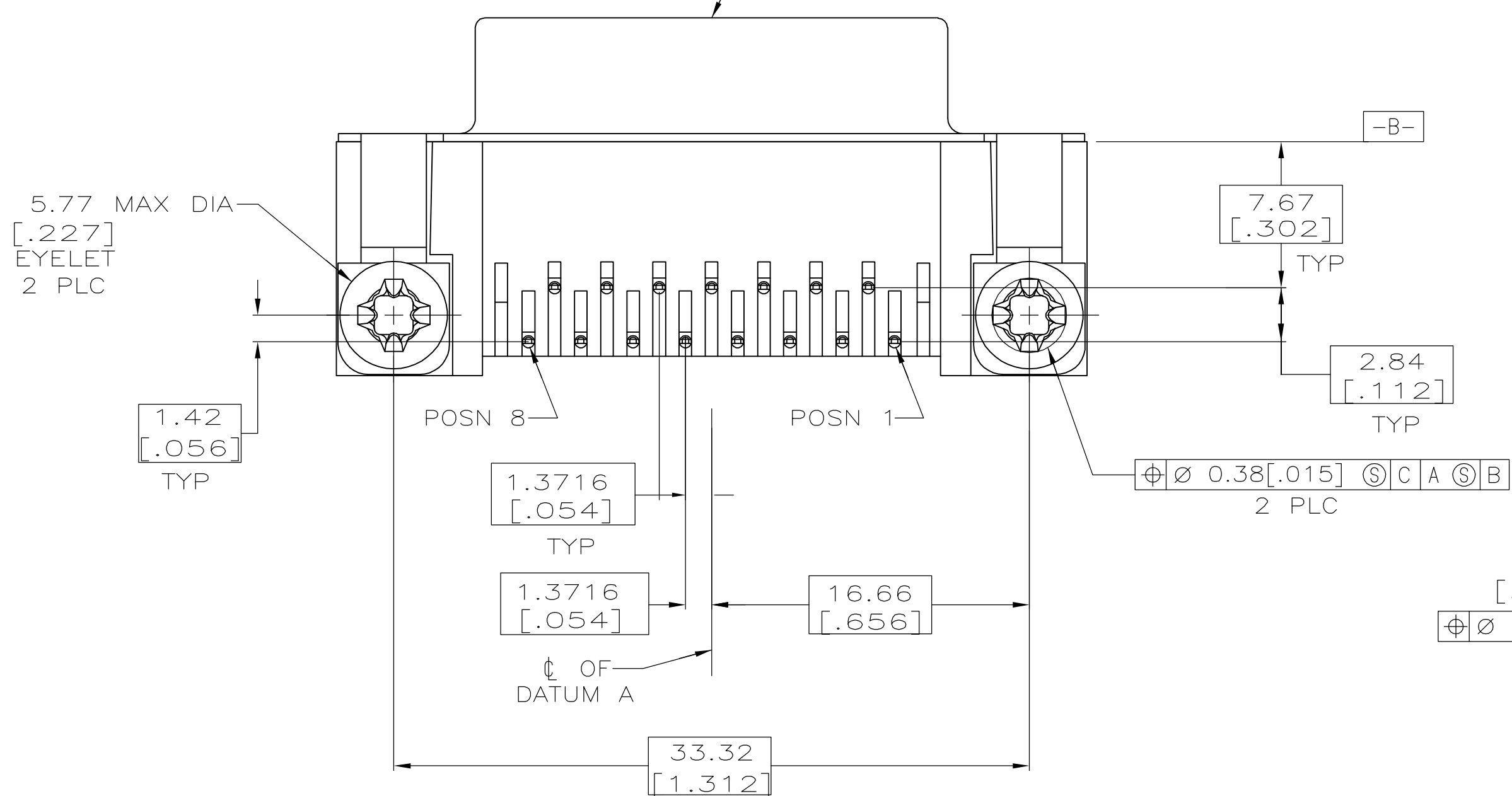
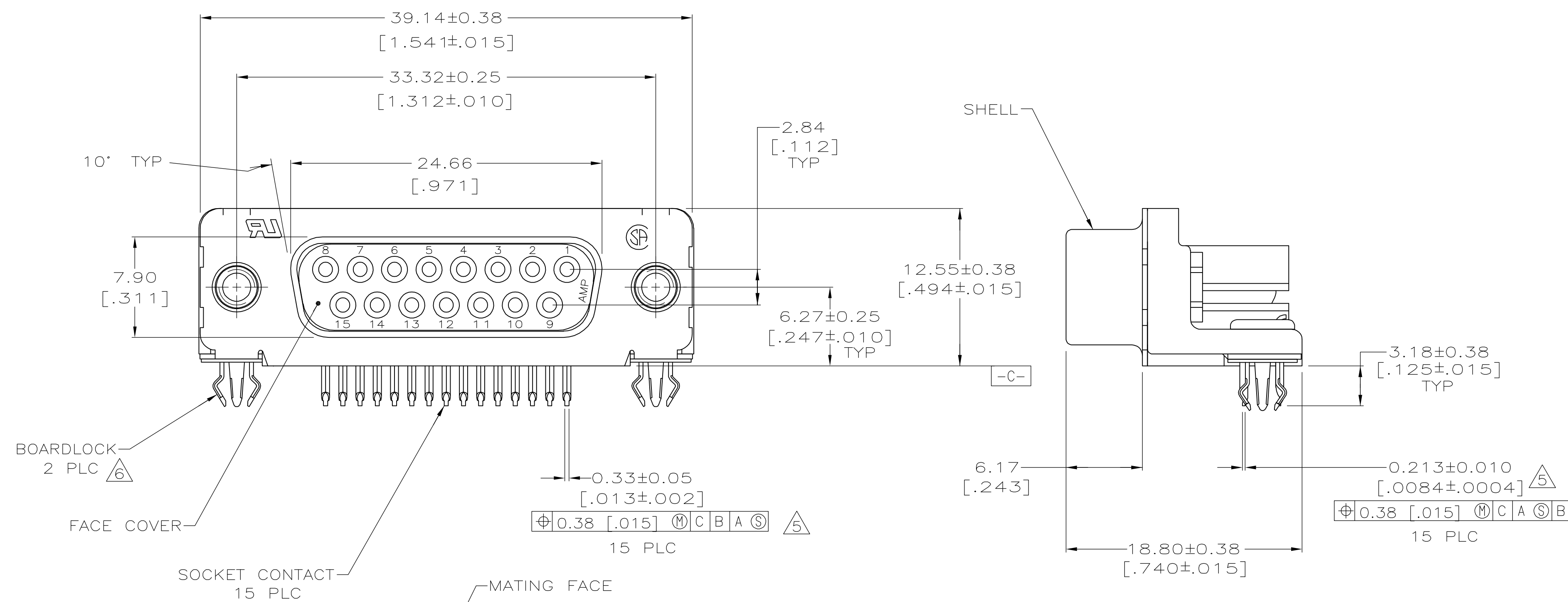
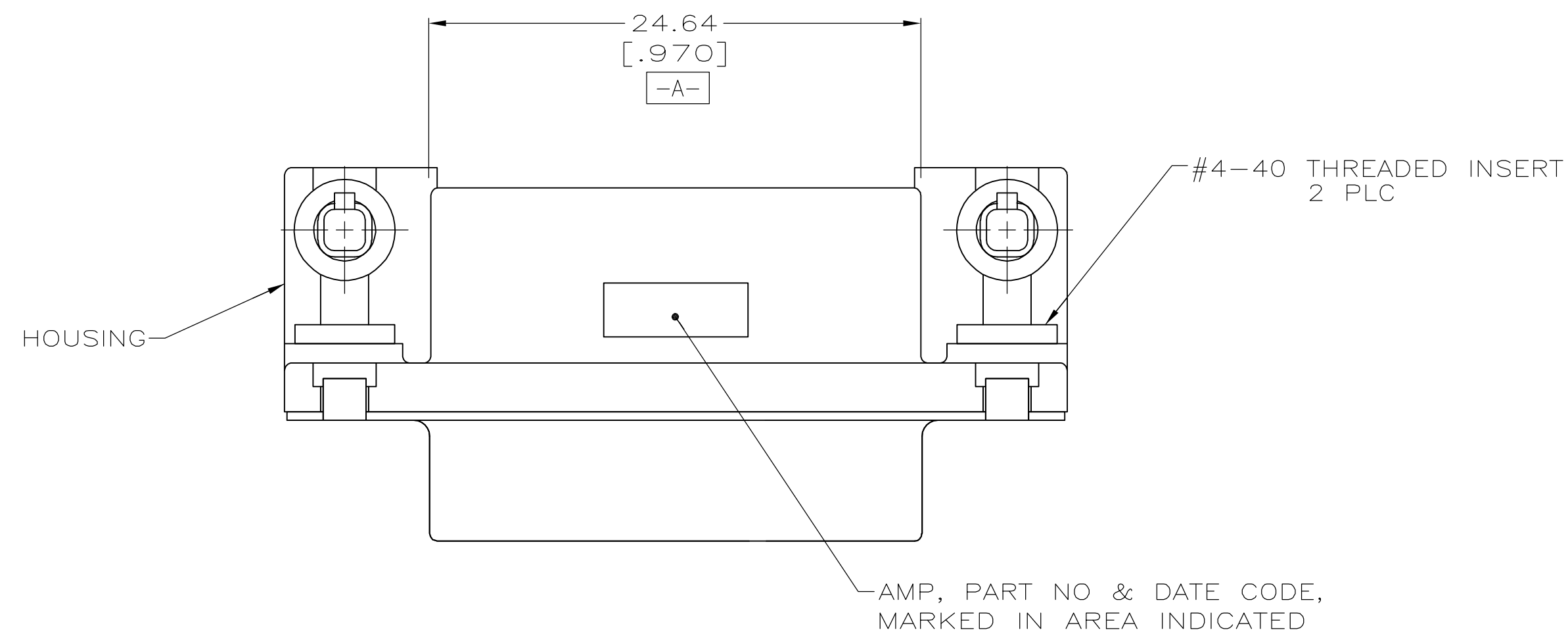
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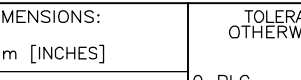


RECOMMENDED PC BOARD LAYOUT

1.57 [.062] PC BOARD THICKNESS

- ① HOUSING & FACE COVER: NYLON, THERMOPLASTIC, UL 94VO RATED, BLACK; SHELL: CARBON STEEL PER ASTM A109; SOCKET CONTACTS: PHOSPHOR BRONZE PER QQ-B-750; EYELETS: BRASS; THREADED INSERTS: ZINC; BOARDLOCKS: COPPER ALLOY.
- ② SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, $0.76\mu\text{m}$ [.000030] MIN GOLD IN MATED AREA, $2.54\mu\text{m}$ [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56[.140] MIN FROM OPPOSITE END, BOTH OVER 1.27 μm [.000050] MIN NICKEL.
EYELETS: $2.54\mu\text{m}$ [.000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH.
SHELL: $2.54\mu\text{m}$ [.000100] MIN TIN OVER 1.27 μm [.000050] MIN COPPER.
THREADED INSERTS: CLEAR CHROMATE.
BOARDLOCKS: $3.81\mu\text{m}$ [.000150] MIN TIN-LEAD OVER 1.27 μm [.000050] MIN NICKEL.
- ③ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, $2.54\mu\text{m}$ [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56[.140] MIN FROM OPPOSITE END, BOTH OVER 1.27 μm [.000050] MIN NICKEL.
EYELETS: $2.54\mu\text{m}$ [.000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH.
SHELL: $2.54\mu\text{m}$ [.000100] MIN TIN OVER 1.27 μm [.000050] MIN COPPER.
THREADED INSERTS: CLEAR CHROMATE.
BOARDLOCKS: $3.81\mu\text{m}$ [.000150] MIN TIN-LEAD OVER 1.27 μm [.000050] MIN NICKEL.
- ④ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⑤ POSITION TOLERANCE APPLIES AT CONTACT TIP.
- ⑥ BOARDLOCKS WILL ACCEPT .062 MAX PRINTED CIRCUIT BOARD THICKNESS.
7. COMPATIBLE WITH TYPICAL HIGH TEMPERATURE SOLDERING APPLICATIONS TO A MAXIMUM OF 225°C FOR A MAXIMUM DURATION OF 90 SECONDS.
TEMPERATURE TO BE MEASURED ON CONNECTOR SURFACE.
- ⑧ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, $0.76\mu\text{m}$ [.000030] MIN GOLD IN MATED AREA, $2.54\mu\text{m}$ [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56[.140] MIN FROM OPPOSITE END, BOTH OVER 1.27 μm [.000050] MIN NICKEL.
EYELETS: $2.54\mu\text{m}$ [.000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH.
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THREADED INSERTS: CLEAR CHROMATE.
BOARDLOCKS: $3.81\mu\text{m}$ [.000150] MIN TIN OVER 1.27 μm [.000050] MIN NICKEL.

	TRAYS	<u>8</u>	6-788798-7
OBSOLETE	TUBES	<u>3</u>	788798-4
OBSOLETE	TUBES	<u>2</u>	788798-3
OBSOLETE	TRAYS	<u>3</u>	788798-2
	TRAYS	<u>2</u>	788798-1
	PACKAGING	FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 01 MAR 00 CHK D.BROCKWAY J.KOPPENHEFFER 06 MAR 00		 Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0. PLC ± 1. PLC ± 2. PLC ± 0.13 [0.005] 3. PLC ± 4. PLC ± ANGLES ± ±		NAME RCPT ASSEMBLY, SIZE 2, 318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE™ HD-20	
		APVD 06 MAR 00 J.KOPPENHEFFER PRODUCT SPEC 108-440025 APPLICATION SPEC 114-40010		SIZE A1	
MATERIAL 		FINISH SEE TABLE		CAGE CODE 00779	
		WEIGHT —		DRAWING NO C=788798	
		CUSTOMER DRAWING		RESTRICTED TO —	
				SCALE 4:1 SHEET 1 OF 1 REV C	