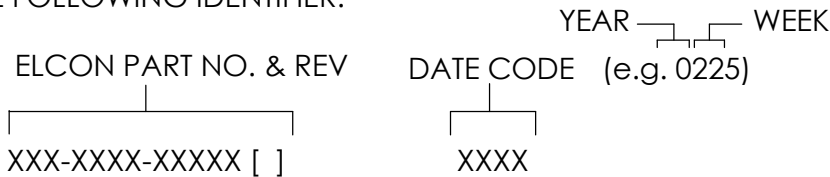


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REVISIONS			
EC	REV	DESCRIPTION	DATE
0S1Q-0211-04	A	INITIAL RELEASE DRAWING (PREVIOUSLY ESK-1692) ADDED INTEGRAL MOLDED POLARITY KEYS, OUTER/INNER	05/27/04
0S1Q-0320-04	B	CHG SOLDER LEAD GEOMETRY AND INCR LEAD LENGTH CHG ELCON PN TO 284-0472-15000B, WAS 284-0472-05000A	09/02/04
0S1Q-0360-04	C	RMV SIGNAL CONTACT NEAREST MOUNTING ALIGN FEATURE	10/18/04
0S1Q-0052-05	D	CHANGE TO REMAIN IN LINE WITH ASSEMBLY REVISION	02/23/05

7. PART NUMBER INFORMATION: TYCO PN 1766200-1 (ELCON PN 284-0472-15000D). REFER TO TYCO PN 1766201-1 (ELCON PN 284-0482-15000D) FOR INFORMATION REGARDING THIS CONNECTOR HAVING AN OPPOSING END 20.5 MM POLARITY KEY DISTANCE.

6. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



5. OUTLINE SPECIFICATION WHEN USED WITH MATING BOARDS DESIGNED (5 OZ COPPER) FOR COMPARABLE OPERATION

- CURRENT OF 17½ AMPS PER POWER CONTACT AT 30° TEMPERATURE RISE, 250 VOLTS.
- CURRENT OF 25 AMPS PER CONTACT UL
- CONNECTOR HOUSING GATHERABILITY OF $\pm 1.02[.040]$ AT ZERO DEGREES PRIOR TO MATE.
- MATING FORCES OF 15-20 POUNDS TYPICAL.
- KEY POLARIZED INSULATOR HOUSING
- HEAT DEFLECTION TEMPERATURE, SHORT DURATION, ABOVE 235°C.

4. A REFERENCE DIMENSION (.XXX) IS WITHOUT TOLERANCE AND USED FOR INFORMATION PURPOSES ONLY.

3. FINISHES:

CONTACT PLATING: SELECTIVE GOLD PLATE PER MIL-G-45204, 0.00076 MM THICK OVER NICKEL 0.00127 THICK.

PCB TERMINATION: SELECTIVE TIN PLATE PER ASTM-B545, OVER NICKEL PER QQ-N-290
(PRE-PRODUCTION TERMINATION MAY BE TIN/LEAD PLATED)

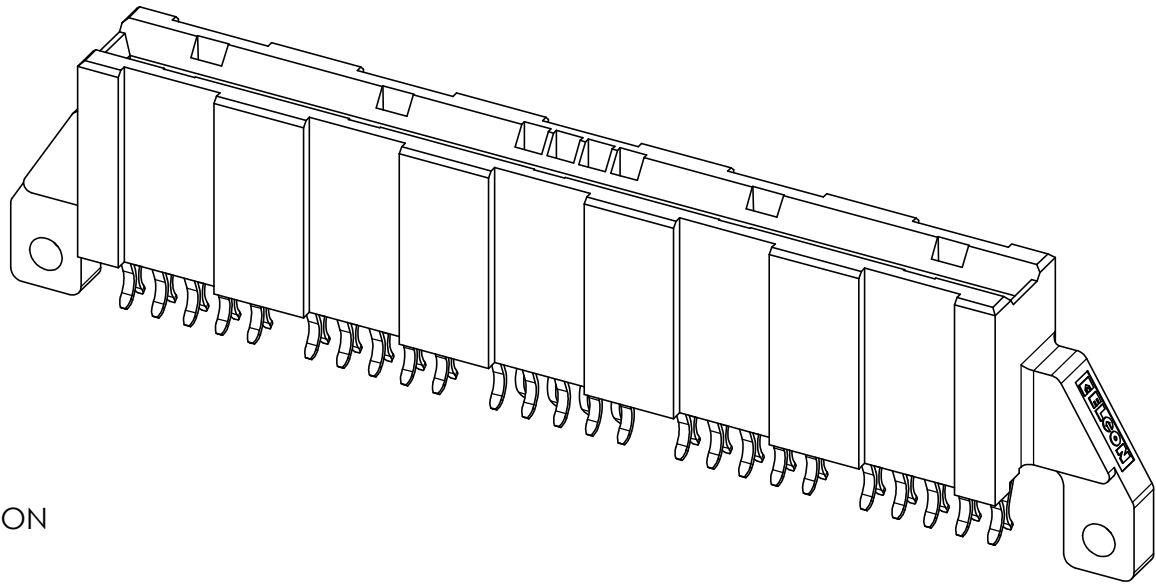
2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK
UL94V-0 FLAMMABILITY RATED
(PRE-PRODUCTION PLASTIC MAYBE NON-REINFORCED, COLOR NATURAL)

CONTACTS: COPPER ALLOY

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

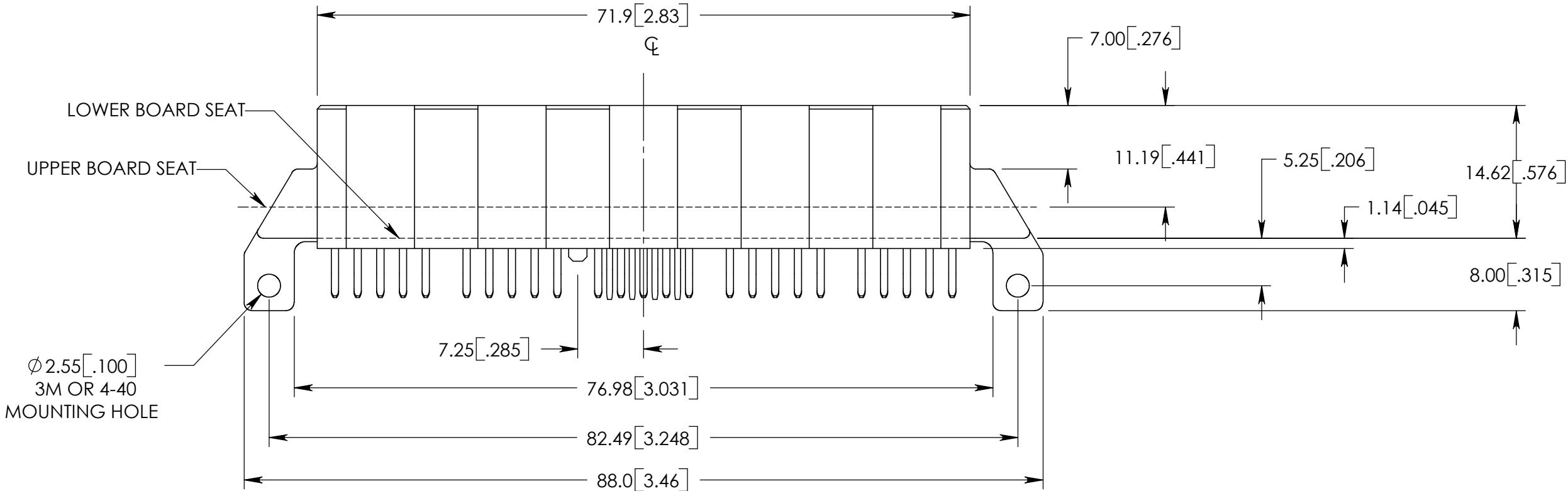
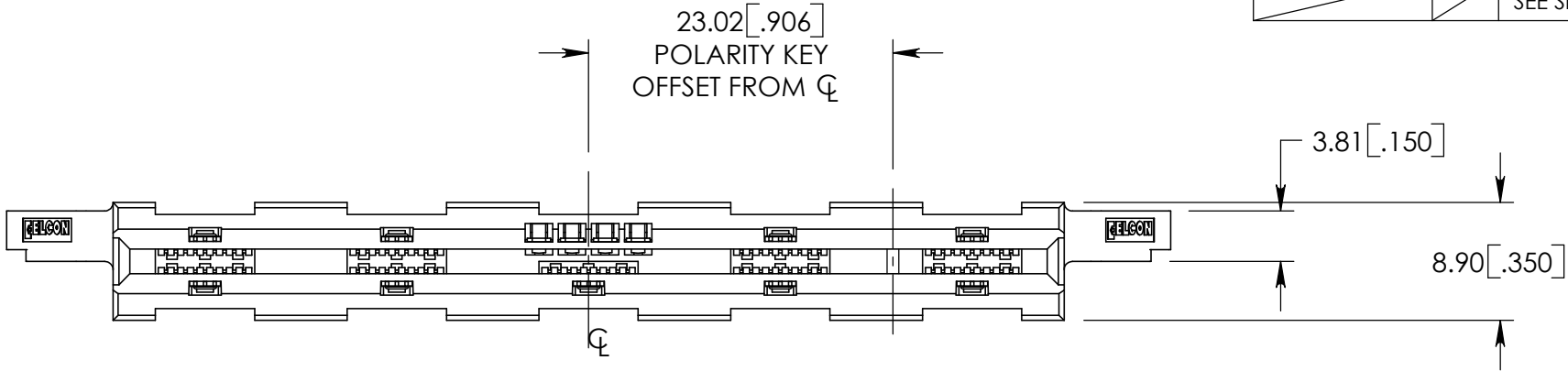
NOTES: UNLESS OTHERWISE SPECIFIED



<div><div><div>← MM INCH</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div></div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div> <div>TOLERANCES</div> <div>ANGLES ± 2.0°</div> <div>DECIMALS</div> <div>.XX ± 0.13 [.005]</div> <div>.X ± 0.25 [.01]</div>	DRAWN R. Larsen	DATE 05/25/04	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div>		
	CHECKED		TITLE CROWN EDGE STRADDLEMOUNT CONNECTOR P4S2, POLARITY KEY 23 MM RT PN 284-0472-15000D (TIN PLATED LEADS) PN 284-0472-00900 (PRE-PRODUCTION)		
	APPROVED		SIZE B	DWG NUMBER C = 1766200	REV. D
	APPROVED D. CHAU	02/23/05			
	DCA APPROVED M. ALIM	02/24/05			
	FILE NAME SC1766200D.SLDDRW	DWG SCALE: 2 = 1			

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

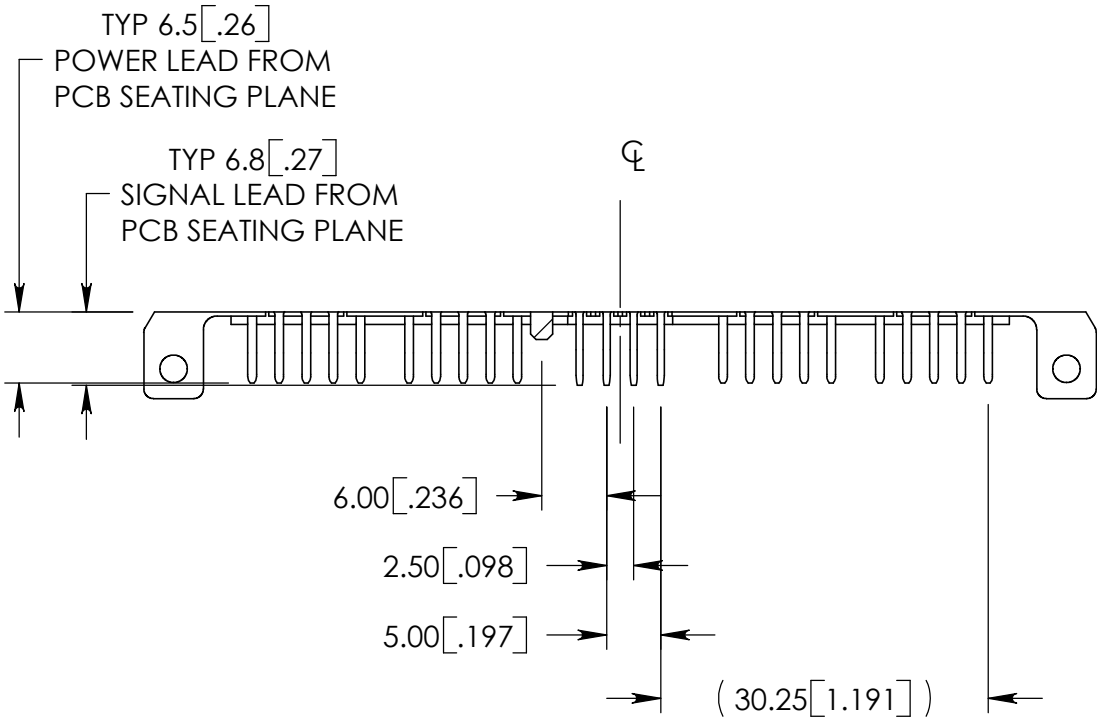


<div><div><div>← MM INCH</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div></div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div> <div>TOLERANCES</div> <div>ANGLES ± 2.0°</div> <div>DECIMALS</div> <div>.XX ± 0.08 [.003]</div> <div>.X ± 0.2 [.008]</div>	DRAWN R. Larsen	DATE 05/25/04	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div>	
	CHECKED		TITLE CROWN EDGE STRADDLEMOUNT CONNECTOR P4S2, POLARITY KEY 23 MM RT PN 284-0472-15000D (TIN PLATED LEADS) PN 284-0472-00900 (PRE-PRODUCTION)	
	APPROVED			
	APPROVED D. CHAU	02/23/05		
	DCA APPROVED M. ALIM	02/24/05	SIZE B	DWG NUMBER C 1766200
FILE NAME SC1766200D.SLDDRW	DWG SCALE: 2 = 1		SH 2 OF 5	

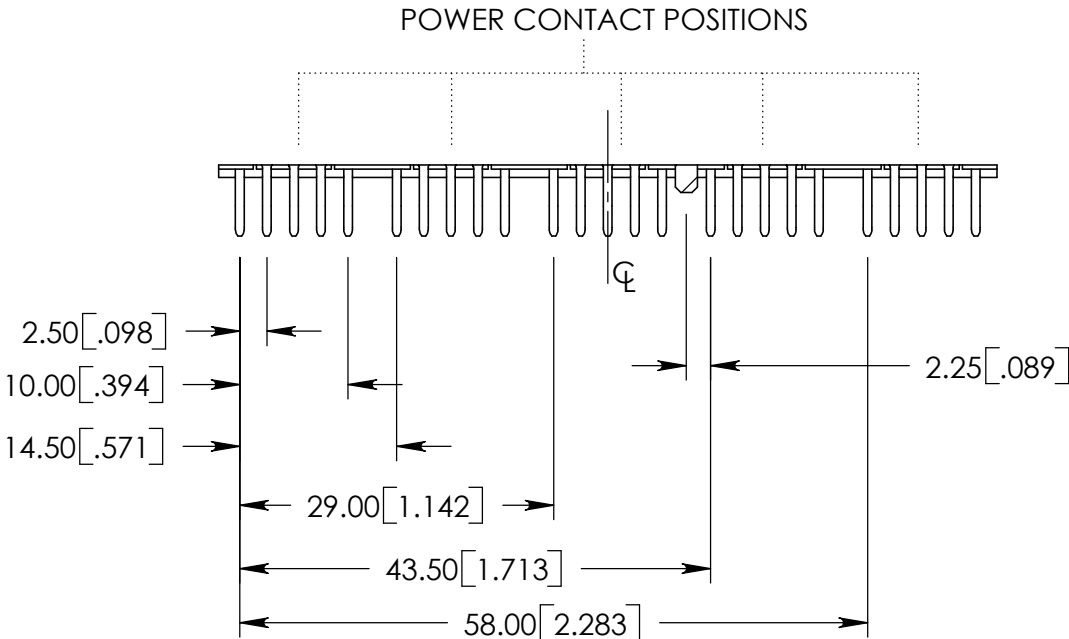
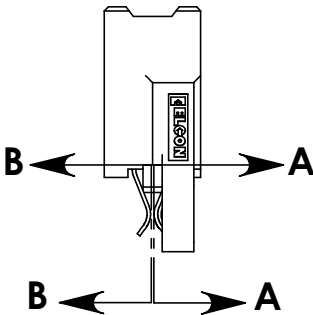
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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

B



SECTION A-A
SIGNAL CONTACTS



SECTION B-B
POWER CONTACTS

A

<div><div><div>← MM INCH →</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div><div>TOLERANCES</div><div>ANGLES ± 2.0°</div><div>DECIMALS</div><div>.XX ± 0.13 [.005]</div><div>.X ± 0.25 [.01]</div></div>	DRAWN R. Larsen	DATE 05/25/04	<div><div><div><i>tyco</i></div><div><i>Electronics</i></div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div>		
	CHECKED		TITLE CROWN EDGE STRADDLEMOUNT CONNECTOR P4S2, POLARITY KEY 23 MM RT PN 284-0472-15000D (TIN PLATED LEADS) PN 284-0472-00900 (PRE-PRODUCTION)		
	APPROVED				
	APPROVED D. CHAU	02/23/05	SIZE	DWG NUMBER	REV
	DCA APPROVED M. ALIM	02/24/05	B	© 1766200	D
FILE NAME	SC1766200D.SLDDRW		DWG SCALE: 1.5 = 1	SH 3 OF 5	

4

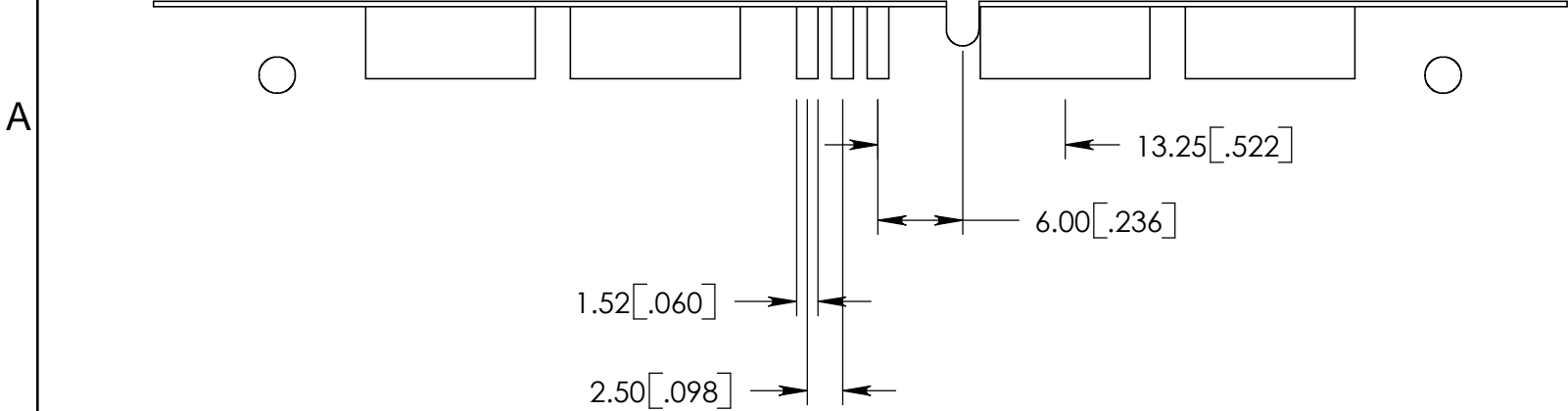
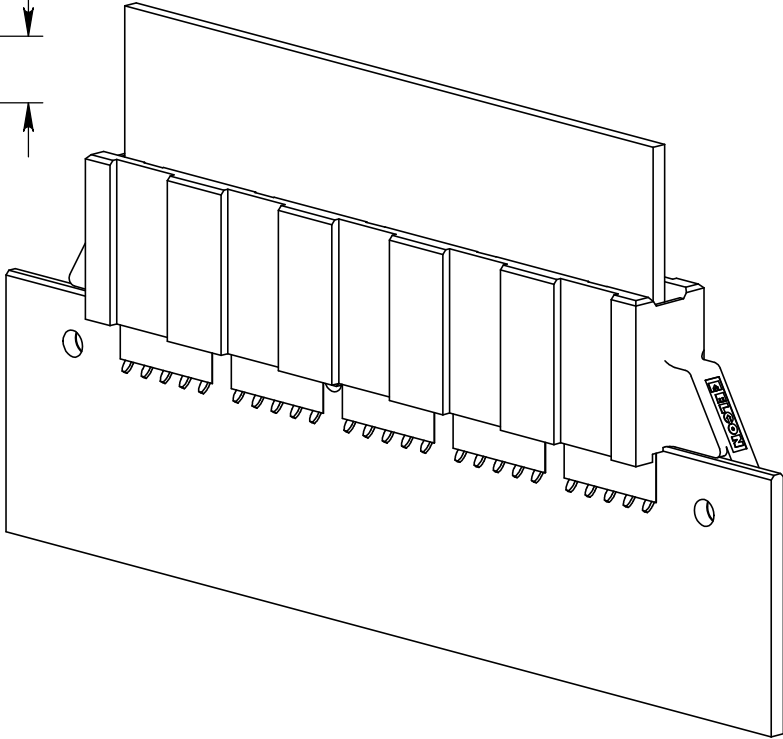
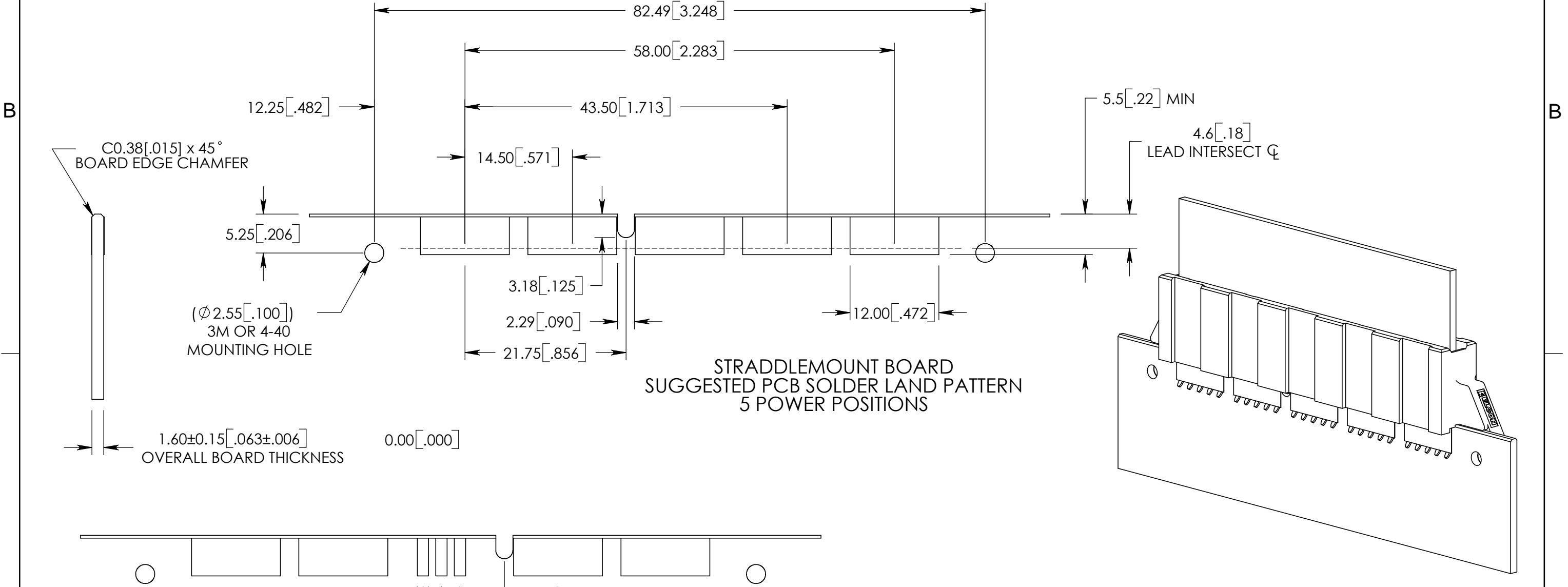
3

2

1

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



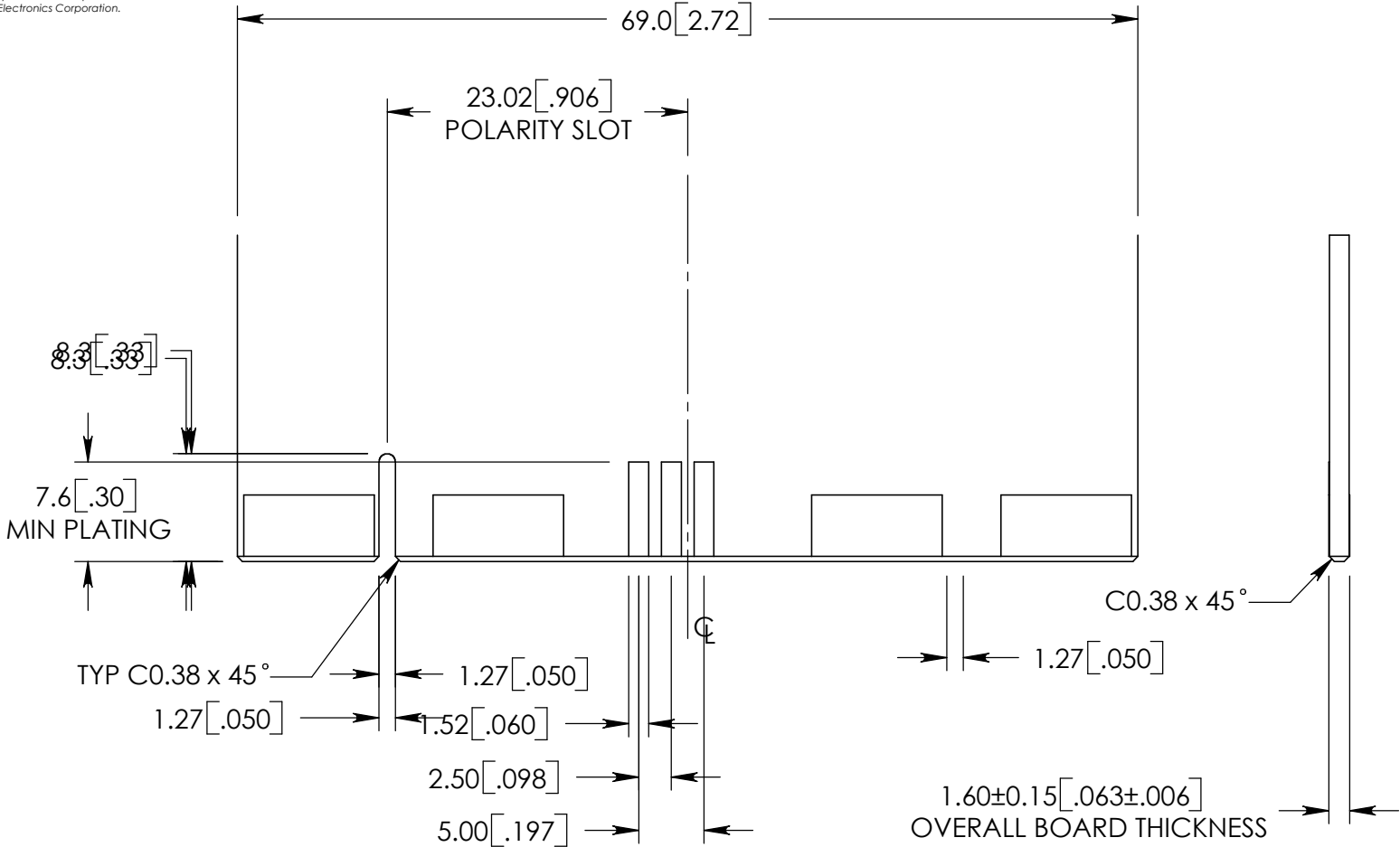
<div><div>← MM INCH</div><div>OR MM [INCH]</div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div><div>TOLERANCES</div><div>ANGLES ± 2.0°</div><div>DECIMALS</div><div>.XX ± 0.08 [.003]</div><div>.X ± 0.2 [.008]</div></div>	DRAWN R. Larsen	DATE 05/25/04	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div>		
	CHECKED		TITLE		
	APPROVED		CROWN EDGE STRADDLEMOUNT CONNECTOR P4S2, POLARITY KEY 23 MM RT MOUNTING PCB SOLDER LAND GUIDELINES		
	APPROVED D. CHAU	02/23/05	SIZE	DWG NUMBER	REV
	DCA APPROVED M. ALIM	02/24/05	B	C = 1766200	D
FILE NAME	SC1766200D.SLDDRW		DWG SCALE: 2 = 1		SH 4 OF 5

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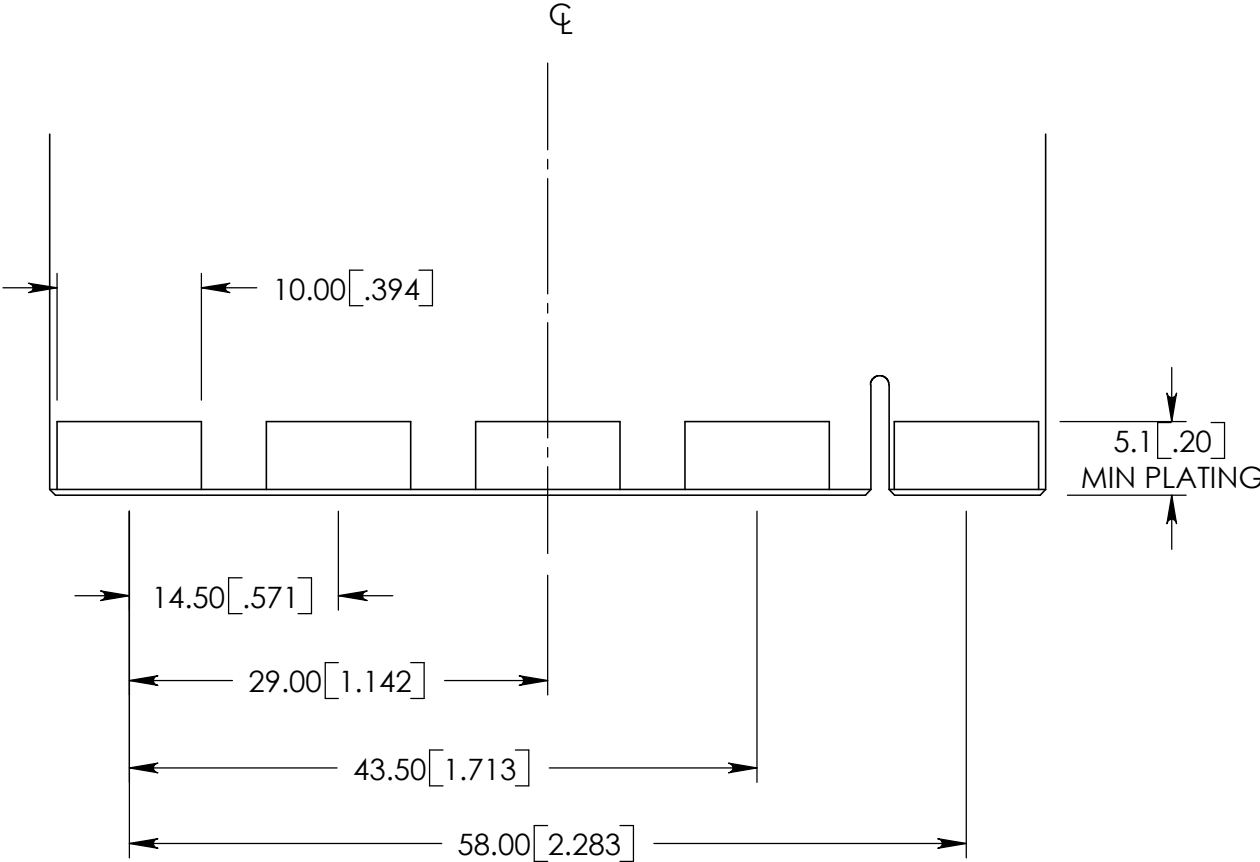
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

B

A



MATING BOARD
SUGGESTED PCB CONTACT LAND PATTERN
4 POWER & 3 SIGNAL POSITIONS



MATING BOARD
SUGGESTED PCB CONTACT LAND PATTERN
5 POWER POSITIONS

<div><div><div>← MM INCH</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div></div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div> <div>TOLERANCES</div> <div>ANGLES ± 2.0°</div> <div>DECIMALS</div> <div>.XX ± 0.08 [.003]</div> <div>.X ± 0.2 [.008]</div>	DRAWN R. Larsen	DATE 05/25/04	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div></div> <div>ELCON</div>	
	CHECKED		TITLE CROWN EDGE STRADDLEMOUNT CONNECTOR P4S2, POLARITY KEY 23 MM RT MATING PCB CONTACT LAND GUIDELINES	
	APPROVED			
	APPROVED D. CHAU	02/23/05		
	DCA APPROVED M. ALIM	02/24/05	SIZE B	DWG NUMBER C = 1766200
FILE NAME	SC1766200D.SLDDRW		DWG SCALE: 2 = 1	SH 5 OF 5