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7. PART NUMBER INFORMATION: TYCO PN 1766400-1  
ELCON PN 284-1522-05003  
IBM PN 39J0266

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

YEAR WEEK  
ELCON PART NUMBER DATE CODE (e.g. 0525)  
XXX-XXXX-XXXX XXXX

5. OUTLINE SPECIFICATION:
- CURRENT OF 20 AMPS PER POWER CONTACT AT 30° TEMPERATURE RISE, 125 VOLTS.
  - CURRENT OF 2 AMPS PER STANDARD SIGNAL CONTACT AT 30° TEMPERATURE RISE, <100 VOLTS.
  - CONNECTOR HOUSING GATHERABILITY OF  $\pm 2.0[.080]$  PRIOR TO MATE.
  - MATING FORCES OF 16 POUNDS TYPICAL.
4. A REFERENCE DIMENSION (.XXX) IS WITHOUT TOLERANCE AND USED FOR INFORMATION PURPOSES ONLY.

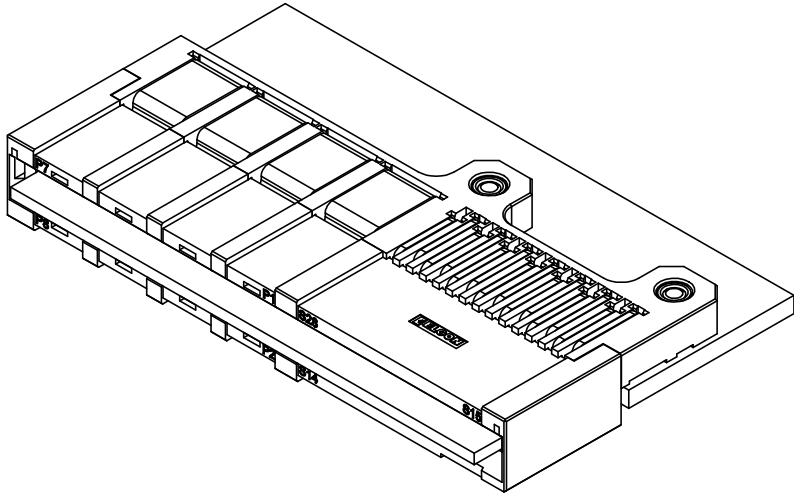
3. FINISHES:
- CONTACT PLATING: SELECTIVE GOLD PLATE PER MIL-G-45204, 0.00076 MM THICK OVER NICKEL 0.00127 THICK.
- PCB TERMINATION: SELECTIVE TIN PLATE PER ASTM-B545, OVER NICKEL PER QQ-N-290 (PRE-PRODUCTION TERMINATION MAYBE GOLD PLATED)

2. MATERIALS:
- INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK  
UL94V-0 FLAMMABILITY RATED  
(PRE-PRODUCTION PLASTIC MAYBE NON-REINFORCED, COLOR NATURAL)
- CONTACTS: COPPER ALLOY

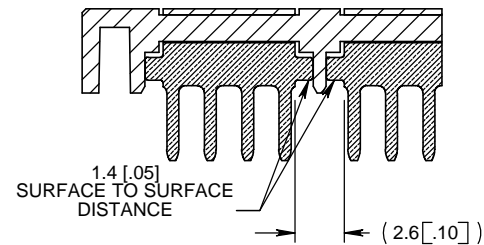
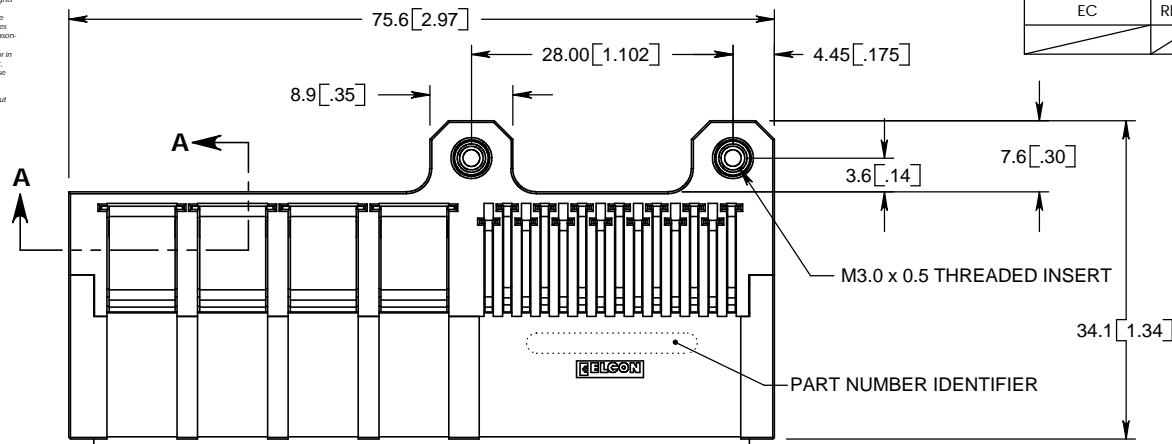
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

NOTES: UNLESS OTHERWISE SPECIFIED

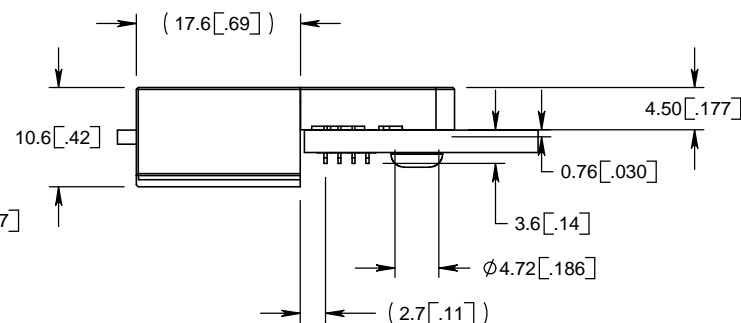
<div>MM INCH</div> <div>OR MM [INCH]</div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div> <div>TOLERANCES</div> <div>ANGLES ± 2.0°</div> <div>DECIMALS</div> <div>XX ± 0.25 [010]</div> <div>X ± 0.5 [02]</div>	DRAWN R. Larsen	DATE 09/20/04	<div><b>tyco</b> Electronics</div> <div>Tyco Electronics Corporation Menlo Park, CA 94025</div> <div><b>ELCON</b></div>		
	CHECKED		TITLE CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 SOLDER LEAD TAILS PN: 284-1522-05003		
	APPROVED D. CHAU	12/19/05	SIZE <b>B</b>	DWG NUMBER <b>C = 1766400</b>	REV <b>C</b>
	APPROVED M. ALIM	12/19/05	FILE NAME SC1766400C.SLDDRW		
DWG SCALE: 2 = 1			SH 1 OF 5		



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SECTION A-A  
SCALE 4 : 1



<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</p> <p>TOLERANCES</p> <p>ANGLES ± 2.0°</p> <p>DECIMALS</p> <p>XX ± 0.10 [0.004]</p> <p>X ± 0.2 [0.008]</p>	DRAWN R. Larsen	DATE 09/20/04	<p><b>tyco</b> Tyco Electronics Corporation Menlo Park, CA 94025</p> <p><b>ELCON</b></p>	
	CHECKED		TITLE CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 INFORMATION DIMENSIONS PN: 284-1522-05003	
	APPROVED		SIZE B	
	APPROVED D. CHAU	12/19/05	DWG NUMBER C = 1766400	
DCA APPROVED M. ALIM		12/19/05	REV C	
FILE NAME SC1766400C.SLDDRW		DWG SCALE: 2 = 1		SH 2 OF 5

A

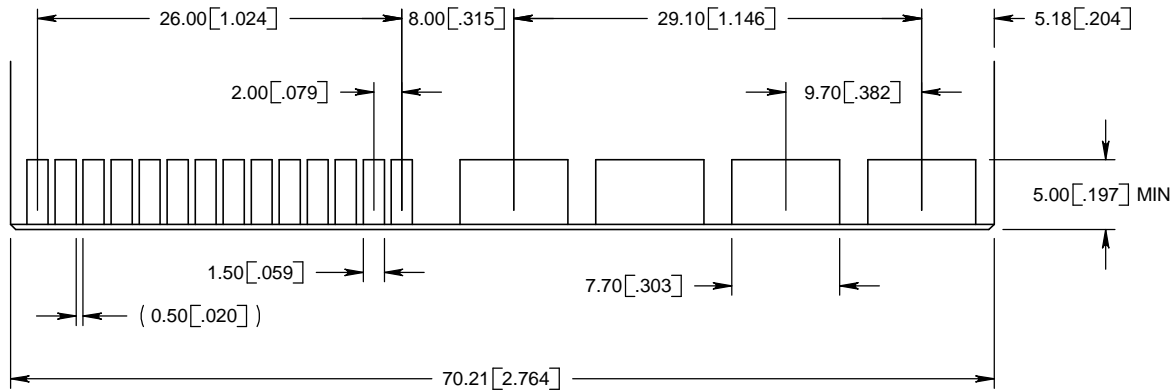


<div><div><div>← MMA INCH</div><div>OR MM [INCH]</div></div><div></div></div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div> <div>TOLERANCES</div> <div>ANGLES ± 2.0°</div> <div>DECIMALS</div> <div>.XX ± 0.08 [.003]</div> <div>.X ± 0.2 [.008]</div>	DRAWN R. Larsen	DATE 09/20/04	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div>			
	CHECKED		TITLE <div>CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 SUGGESTED MOUNTING PCB LAYOUT &amp; THROUGH HOLE INFORMATION</div>	SIZE	DWG NUMBER <div>B</div> <div>C = 1766400</div>	REV <div>C</div>
	APPROVED					
	APPROVED D. CHAU	12/19/05				
	DCA APPROVED M. ALIM	12/19/05				
FILE NAME	SC1766400C.SLDDRW		DWG SCALE: 2 = 1		SH 3 OF 6	

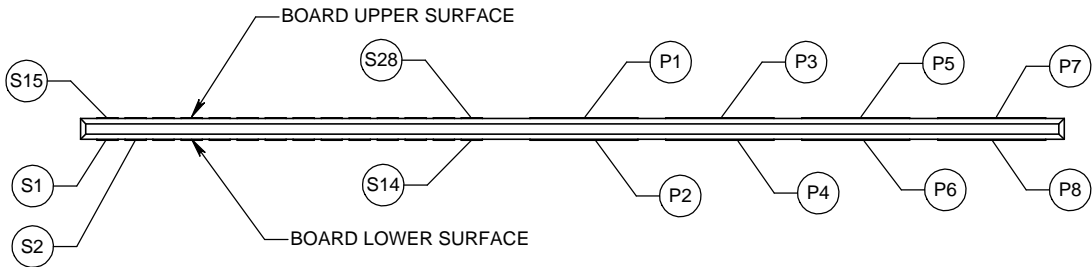
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B

A

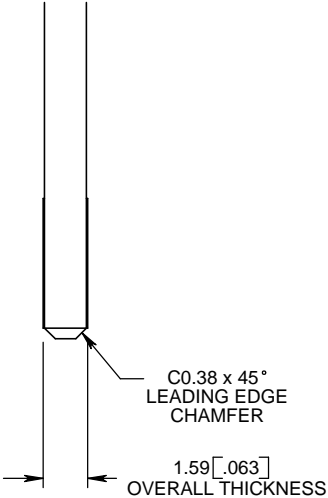



SUGGESTED MATING PCB LAYOUT  
AS VIEWED FROM CONNECTOR UPPER SIDE



PRINTED CIRCUIT BOARD EDGE VIEW

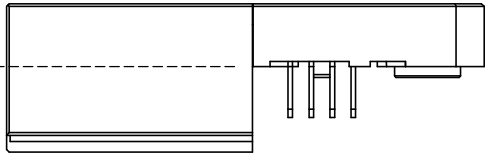
REVISIONS		DATE
EC	REV	DESCRIPTION
		SEE SHEET 1



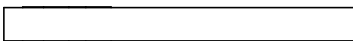
<div><div><div><div><div><div></div></div></div><div><div></div></div></div><div><div>MM INCH</div><div>OR MM [INCH]</div></div></div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH]</div><div>TOLERANCES</div><div>ANGLES ± 2.0°</div><div>DECIMALS</div><div>.XX ± 0.08 [.003]</div><div>.X ± 0.2 [.008]</div></div>	DRAWN R. Larsen	DATE 09/20/04	<div><div><div><div><div></div></div></div><div><div></div></div></div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, CA 94025</div><div>ELCON</div></div> <div>TITLE</div> <div>CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 SUGGESTED MATING PCB LAYOUT &amp; FINGER PAD INFORMATION</div>				
	CHECKED				SIZE	DWG NUMBER	REV
	APPROVED				B	C = 1766400	C
	APPROVED D. CHAU	12/19/05					
DCA APPROVED M. ALIM	12/19/05						
FILE NAME		SC1766400C.SLDDRW		DWG SCALE: 3 = 1	SH 4 OF 5		

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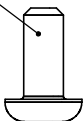
0.80[.031]  
MATING PCB  $\phi$  OFFSET  
FROM REAR SEATING PLANE



COMPLIANT LEAD  
PRESS-IN DIRECTION



M3.0 x 0.5 THREAD SCREW  
OR OTHER  
THREADED HARDWARE



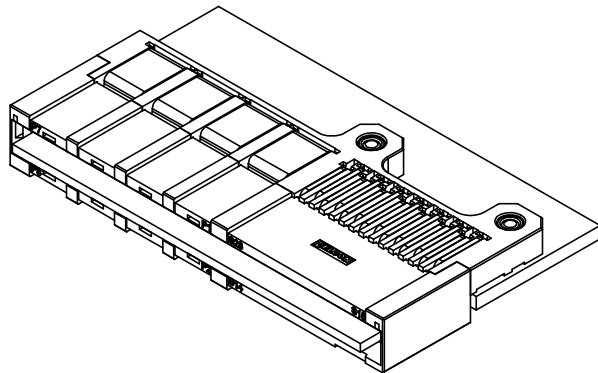
10.0[.39]  
FULLY SEATED  
PCB DEPTH

3.7[.15]  
CONTACT CROWN  
SEAT OFFSET

1.0[.04]

1.87[.074] MIN  
BOARD SLOT

( 0.46[.018] )



THIRD ANGLE PROJECTION  
UNLESS OTHERWISE  
SPECIFIED DIMENSIONS  
ARE IN MILLIMETERS [INCH]

TOLERANCES  
ANGLES  $\pm$  2.0°  
DECIMALS  
XX  $\pm$  0.10 [ .004 ]  
X  $\pm$  0.2 [ .008 ]

DRAWN R. Larsen	DATE 09/20/04
CHECKED	
APPROVED D. CHAU	12/19/05
DCA APPROVED M. ALIM	12/19/05
FILE NAME SC1766400C.SLDDRW	

**tyco**  
**Electronics**

Tyco Electronics Corporation  
Menlo Park, CA 94025

**ELCON**

TITLE  
**CROWN EDGE CONNECTOR  
BOARD EDGE RIGHT ANGLE, P4S14  
CONNECTOR MATING INFORMATION**

SIZE  
**B**

DWG NUMBER  
**C = 1766400**

REV  
**C**

DWG SCALE: 3 = 1

SH 5 OF 5

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1766400-1](#)