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REVISIONS			
EC	REV	DESCRIPTION	DATE
0S1Q-0116-05	B	INITIAL RELEASE DRAWING	04/05/05
ECO-05-016542	C	ELCON PN IS 284-1522-05003, WAS 284-1522-05003B	12/19/05

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 ± 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)

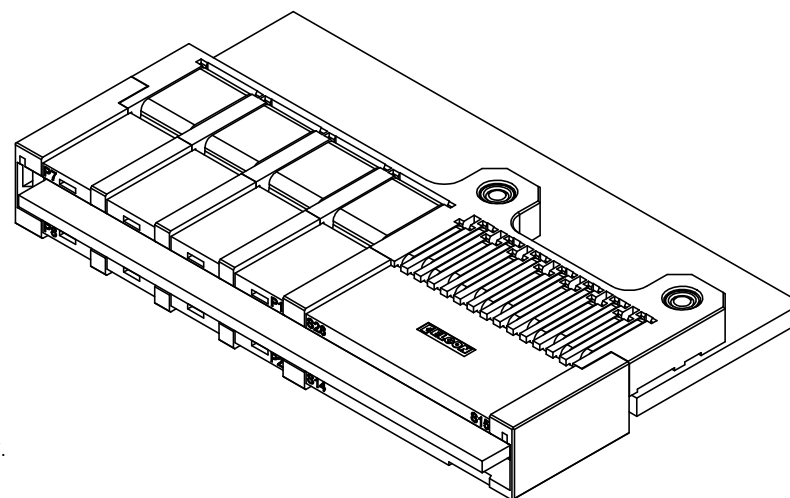
2. MATERIALS:

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

CONTACTS: COPPER ALLOY

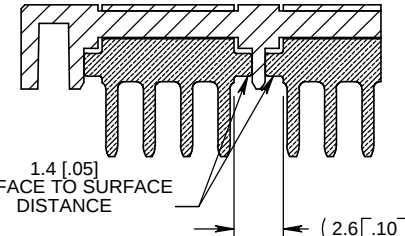
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

NOTES: UNLESS OTHERWISE SPECIFIED



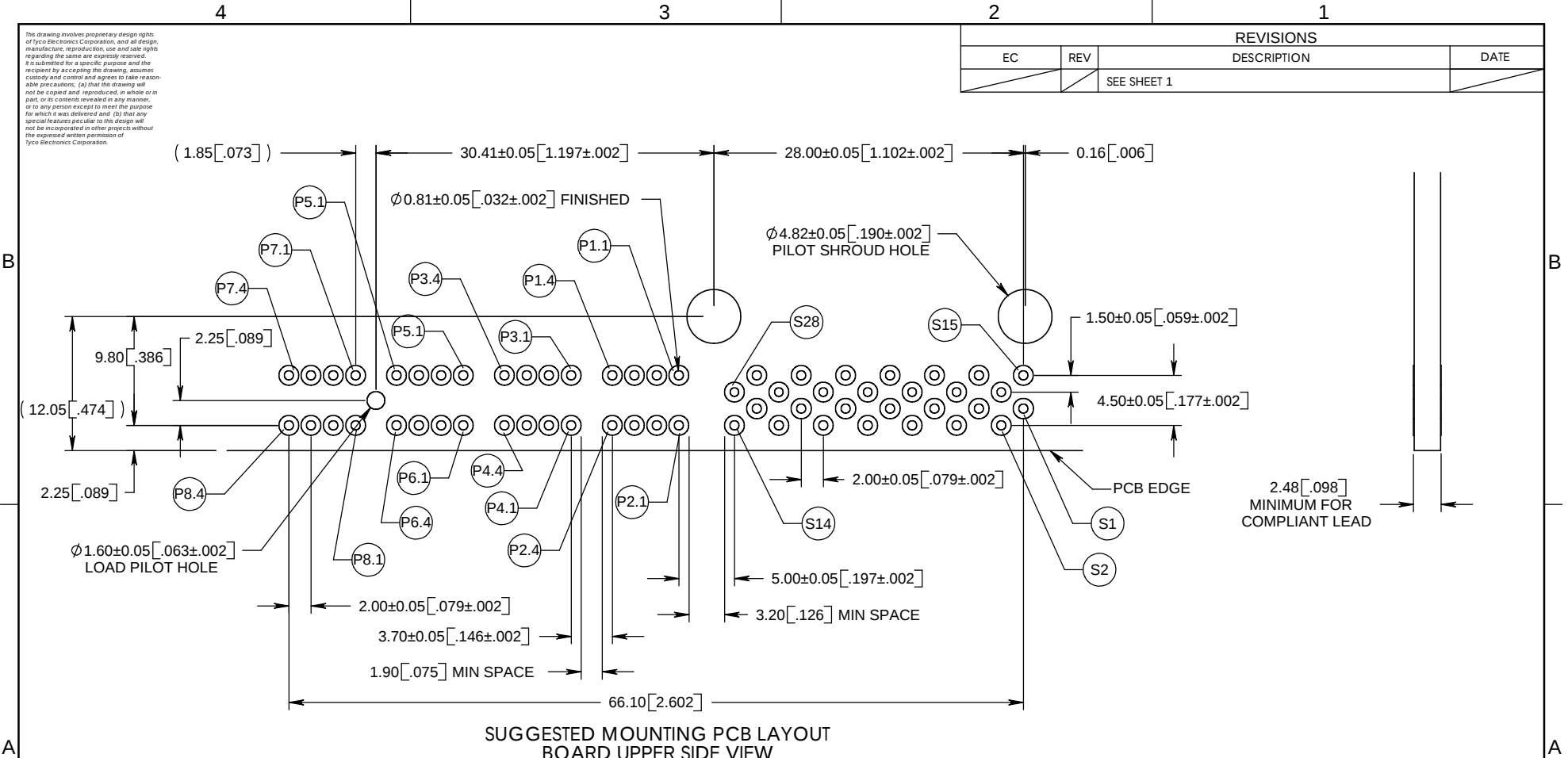
MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH] TOLERANCES ANGLES $\pm 2.0^\circ$ DECIMALS .XX ± 0.25 [.010] .X ± 0.5 [.02]	DRAWN R. Larsen	DATE 09/20/04	tyco Electronics Tyco Electronics Corporation Menlo Park, CA 94025 ELCON	
	CHECKED		TITLE CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 SOLDER LEAD TAILS 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 1 OF 5		

A



 ← MM INCH OR MM [INCH]	DRAWN R. Larsen	DATE 09/20/04	ttyco Electronics Tyco Electronics Corporation Menlo Park, CA 94025 ELCON		
THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH] TOLERANCES ANGLES ± 2.0° DECIMALS .XX ± 0.10 [.004] .X ± 0.2 [.008]	CHECKED		TITLE CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 INFORMATION DIMENSIONS PN: 284-1522-05003		
	APPROVED		SIZE	DWG NUMBER C = 1766400	REV C
	APPROVED D. CHAU	12/19/05	B		
	DCA APPROVED M. ALIM	12/19/05			
	FILE NAME	SC1766400C.SLDDRW			DWG SCALE: 2 = 1
					SH 2 OF 5

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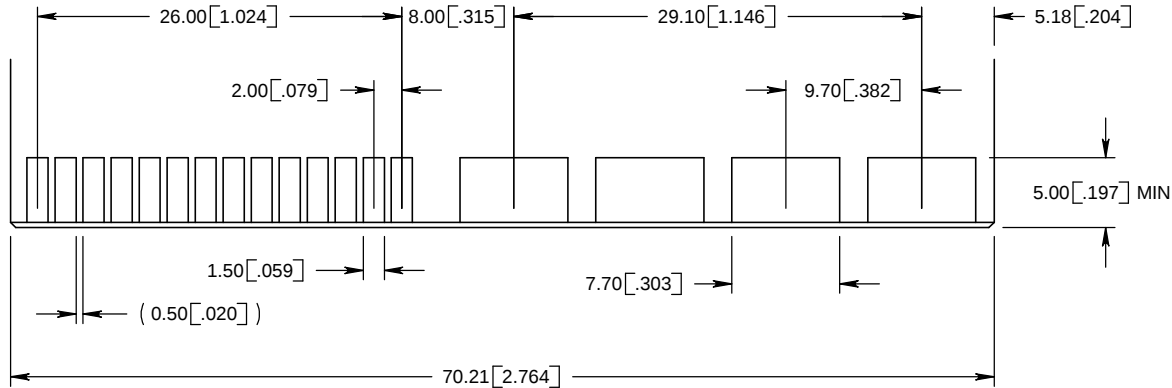


MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS [INCH] TOLERANCES ANGLES ± 2.0° DECIMALS .XX ± 0.08 [.003] .X ± 0.2 [.008]	DRAWN R. Larsen	DATE 09/20/04	Tyco Electronics Tyco Electronics Corporation Menlo Park, CA 94025 ELCON	
	CHECKED		TITLE CROWN EDGE CONNECTOR BOARD EDGE RIGHT ANGLE, P4S14 SUGGESTED MOUNTING PCB LAYOUT & THROUGH HOLE INFORMATION	
	APPROVED		SIZE B	
	APPROVED D. CHAU	12/19/05	DWG NUMBER C = 1766400	
	APPROVED M. ALIM	12/19/05	REV C	
FILE NAME SC1766400C.SLDDRW		DWG SCALE: 2 = 1		SH 3 OF 5

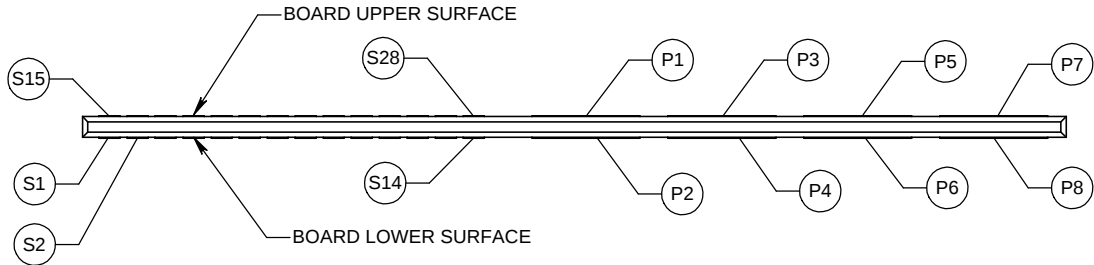
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B

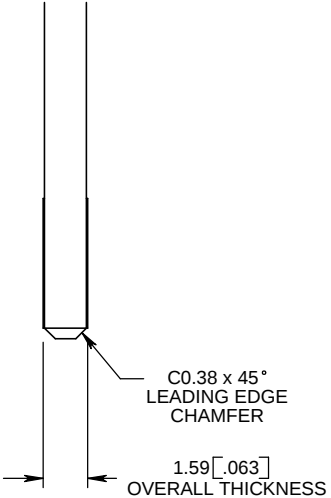
A



SUGGESTED MATING PCB LAYOUT
AS VIEWED FROM CONNECTOR UPPER SIDE



PRINTED CIRCUIT BOARD EDGE VIEW



B

A

2		1	
EC	REV	REVISIONS	
		DESCRIPTION	DATE
		SEE SHEET 1	

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

4

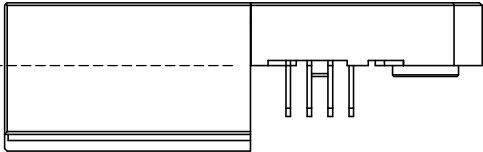
3

2

1

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. If it is submitted for a specific purpose and the recipient by accepting the drawing, assumes custody and control and agrees to take reasonable precautions: (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

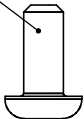
0.80[.031]
MATING PCB ϕ OFFSET
FROM REAR SEATING PLANE



COMPLIANT LEAD
PRESS-IN DIRECTION



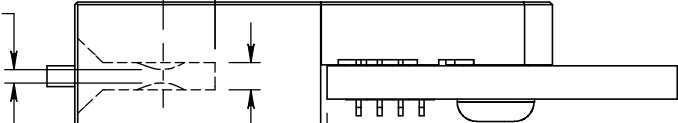
M3.0 x 0.5 THREAD SCREW
OR OTHER
THREADED HARDWARE



10.0[.39]
FULLY SEATED
PCB DEPTH

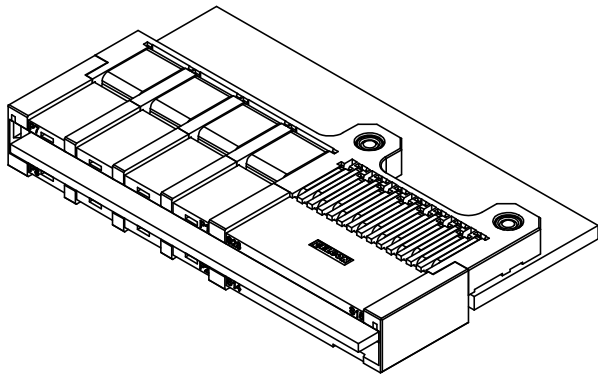
3.7[.15]
CONTACT CROWN
SEAT OFFSET

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 $\pm 2.0^\circ$
DECIMALS
.XX ± 0.10 [.004]
.X ± 0.2 [.008]

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



Tyco Electronics Corporation
Menlo Park, CA 94025



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

SIZE B	DWG NUMBER C = 1766400	REV C
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DWG SCALE: 3 = 1

SH 5 OF 5

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[1766400-1](#)