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REVISIONS

EC	REV	DESCRIPTION	DATE
10859	A	INITIAL RELEASE	03/05/99
12180	B	CHANGED CONNECTOR FROM MODULAR TO DEDICATED	09/28/00
0S1Q-0234-04	B1	ADDED PART NO. 279-0565-00300. CHANGED DRAWING TO TYCO FORMAT.	06/17/04

7. MODULE INFORMATION

CONNECTOR	TYCO PART #	ELCON PART NUMBER	CATALOG MODULE #		QTY	SIZE NO.	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*			
PIN	1646810-1	279-0565-00100B	FP731	POWER	8	8	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [2.953]	250 VOLTS			
				SIGNAL	6	22	.64 [0.025] SQ.	3 AMPERES	2.50 [0.0984]	125 VOLTS			
				LEFT MOUNTING FLANGE									
				RIGHT MOUNTING FLANGE									
PIN	1646810-2	279-0565-00300B	FP731	POWER	8	8	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [2.953]	250 VOLTS			
				SIGNAL	24	22	.64 [0.025] SQ.	3 AMPERES	2.50 [0.0984]	125 VOLTS			
				LEFT MOUNTING FLANGE									
				RIGHT MOUNTING FLANGE									

*IAW IEC-950

NOTES: UNLESS OTHERWISE SPECIFIED.

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

2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK. UL94V-0 FLAMMABILITY RATED.

SOLDER SIGNAL PIN: BRASS ALLOY.

COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.

POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.

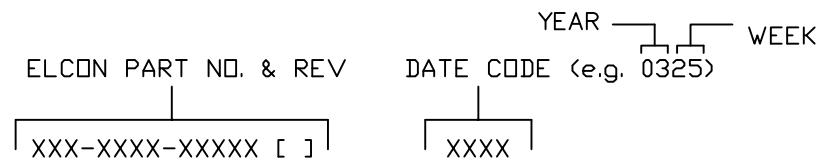
CROWN BANDS: BERYLLIUM COPPER ALLOY.

3. FINISHES:

CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THK, OVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THK. SOLDER TAILS, TIN/LEAD (90/10) PER ASTM B 545, .000100" MIN. THICK.

4 MOUNTING FLANGES ACCEPT M3 OR NO. 4 SCREWS, (USER SUPPLIED).

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

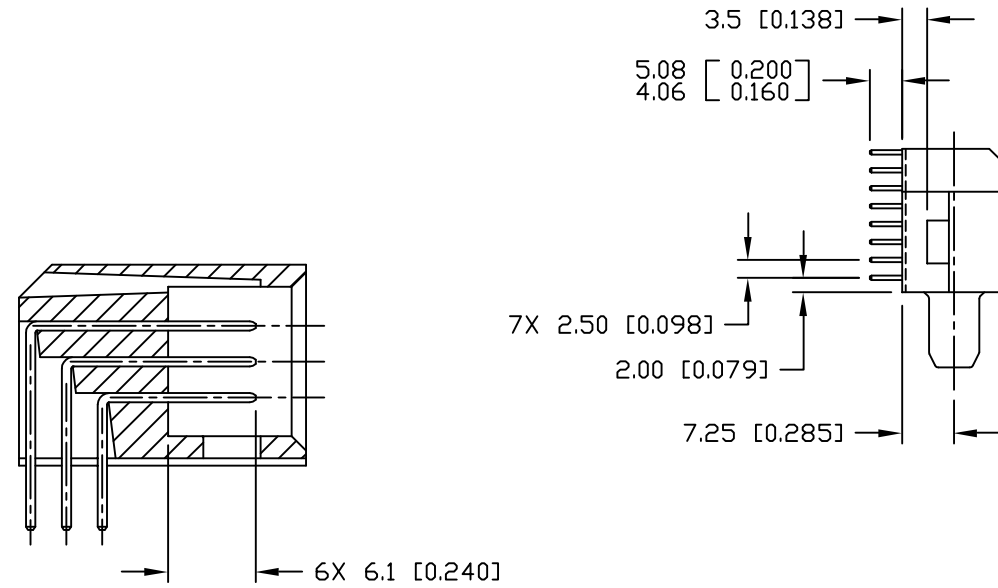


6. THIS CONNECTOR MATES WITH SOCKET CONNECTOR PN 279-0565-00200/-00400.

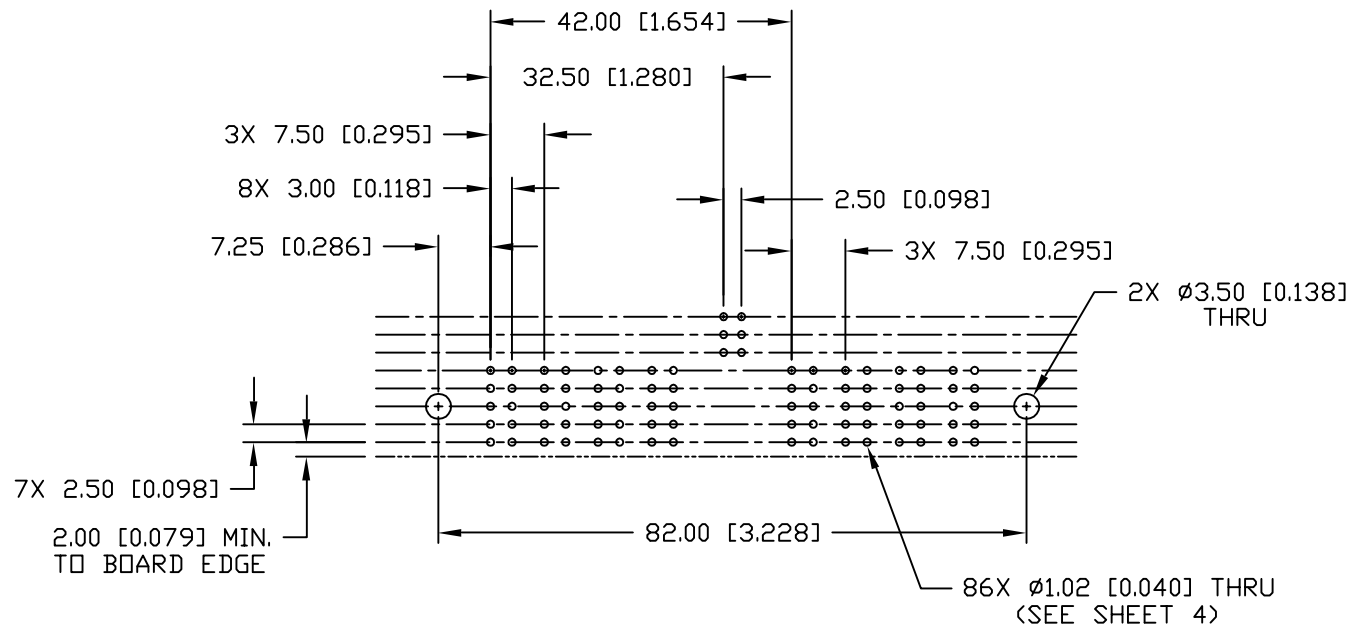
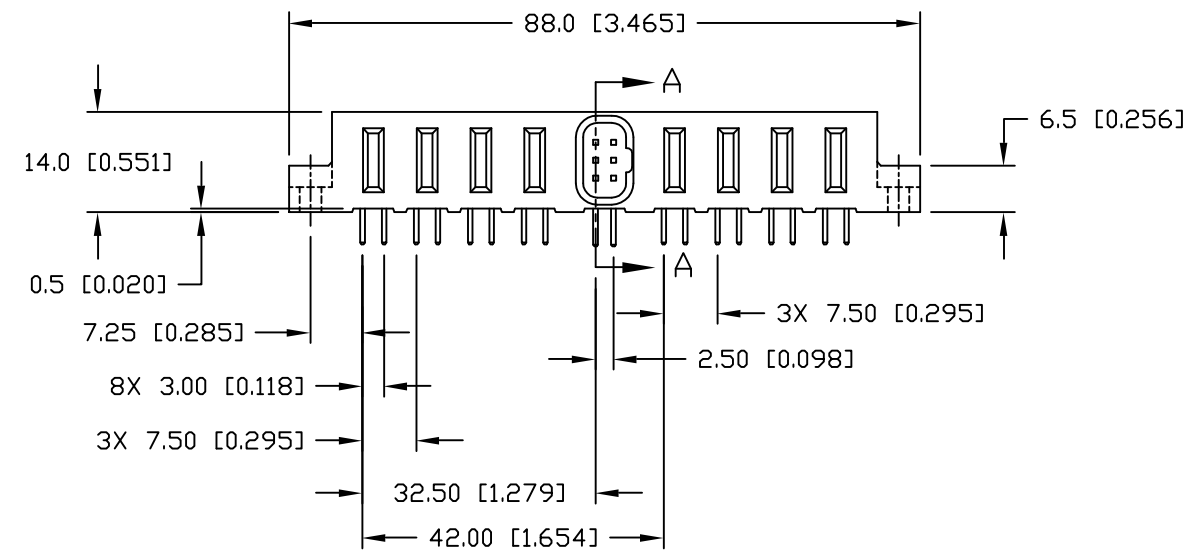
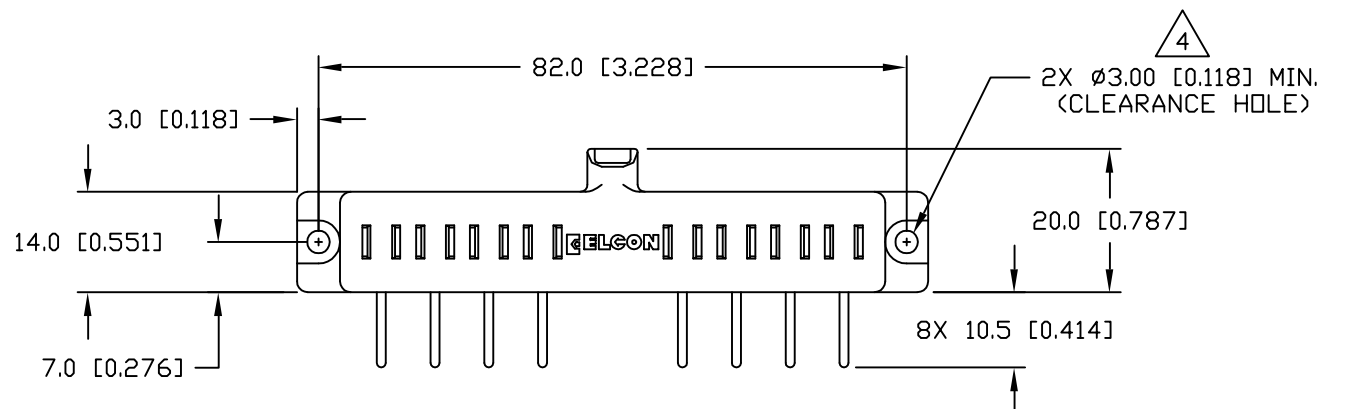
<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p>	<p>DRAWN</p> <p>R.F.A.</p>	<p>DATE</p> <p>03/05/99</p>	<p>tyco Tyco Electronics Corporation Menlo Park, Ca 94025</p> <p>ELCON</p>		
	CHECKED		TITLE		
	APPROVED		PIN CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER & COMPLIANT TAILS PN: 279-0565-00100B/279-0565-00300B		
	APPROVED		SIZE	DWG NUMBER	REV.
	D. CHAU	06/17/04	B	C = 1646810	B1
	M. ALIM	07/07/04			
	ACAD FILE NUMBER	C1646810B1.DWG		DWG SCALE	1 = 1 SH 1 OF 4

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



SECTION A-A



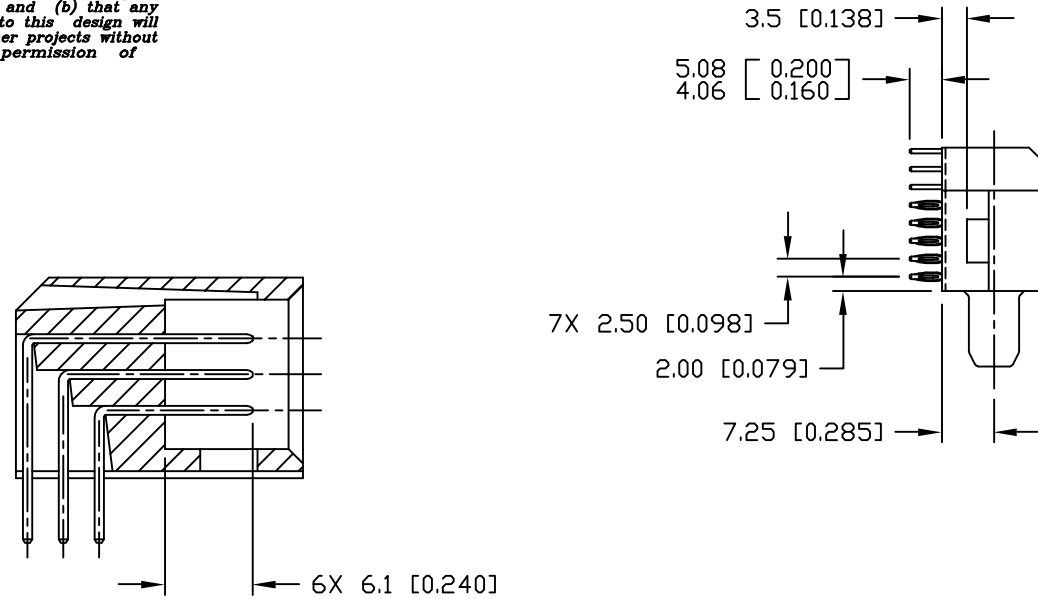
PRINTED CIRCUIT LAYOUT

THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES \pm .5° DECIMALS .XX \pm .25 [.010] .X \pm .5 [.020]	DRAWN R.F.A. CHECKED	DATE 03/05/99	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	TITLE PIN CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS PN: 279-0565-00100B	
	APPROVED D. CHAU APPROVED M. ALIM	DATE 06/17/04 07/07/04			SIZE B
	ACAD FILE NUMBER C1646810B1.DWG	DWG SCALE 1 = 1	SH 2 OF 4		

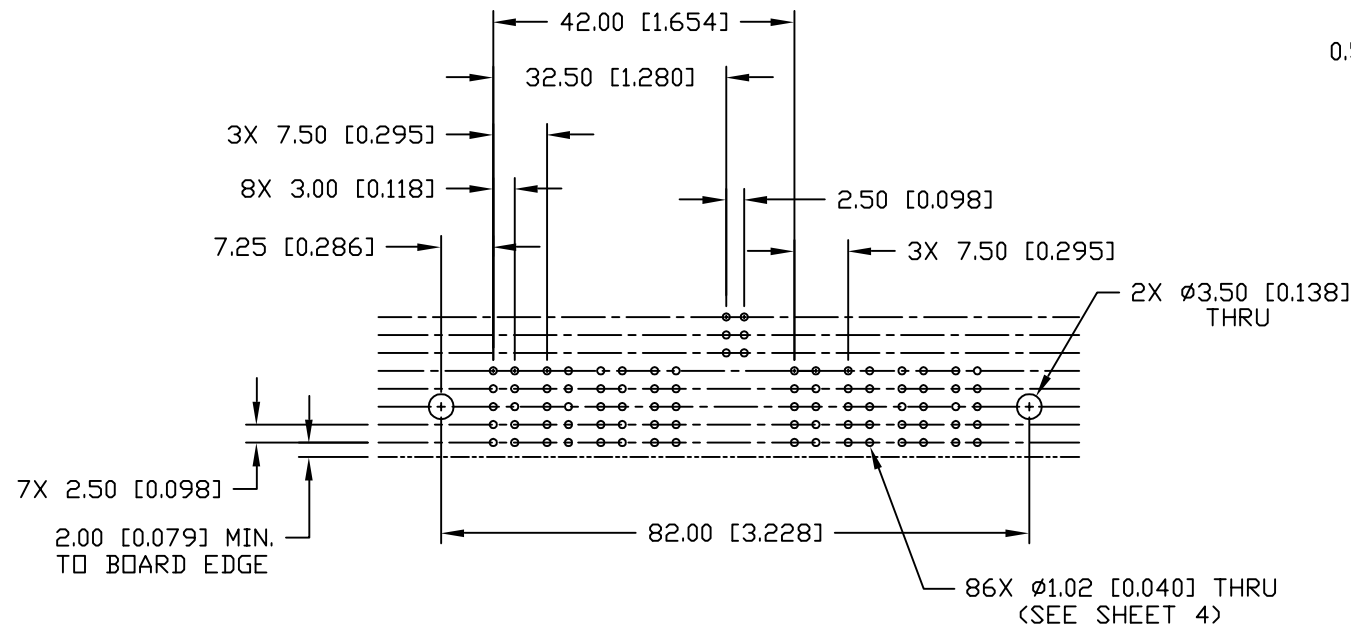
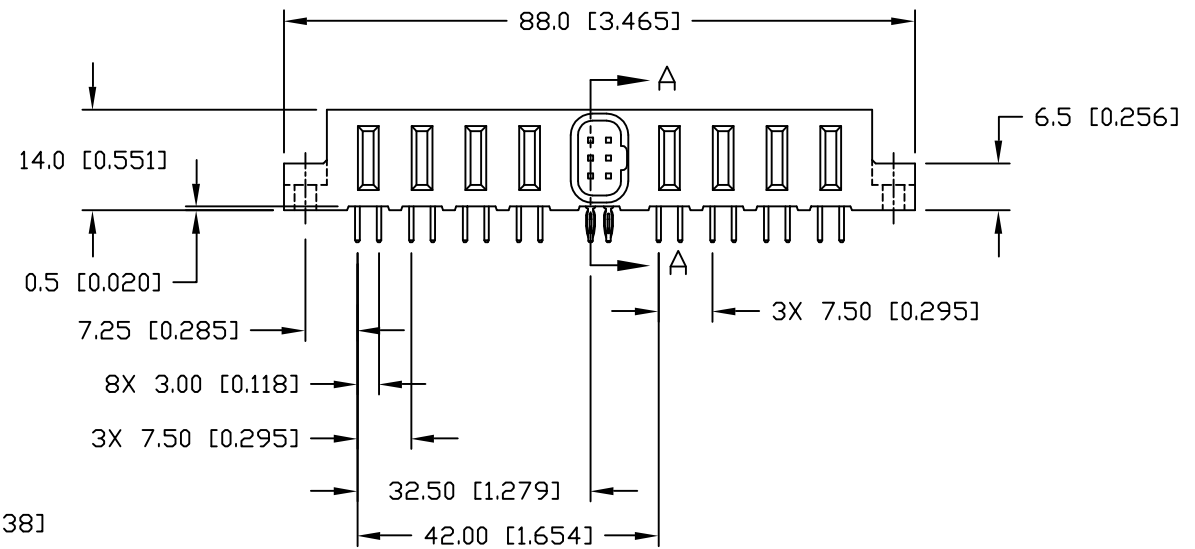
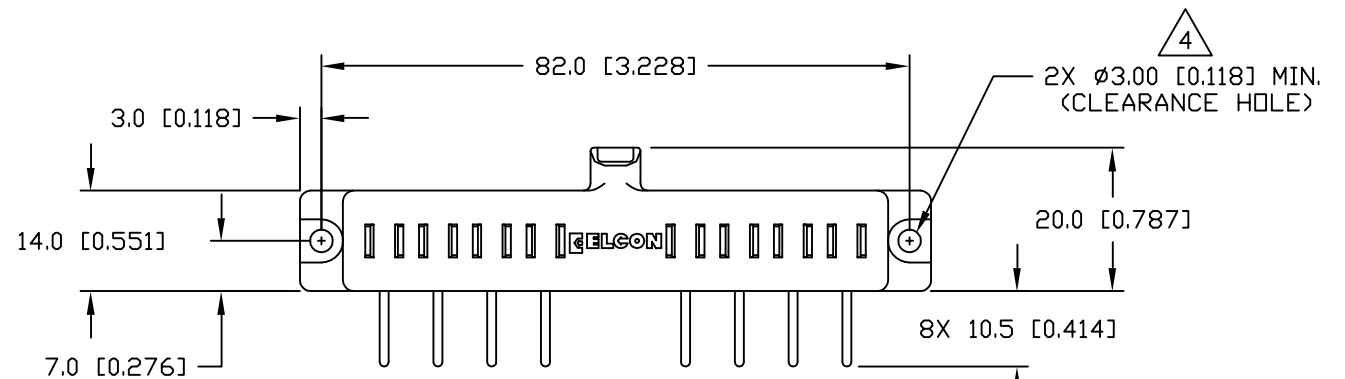
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SECTION A-A

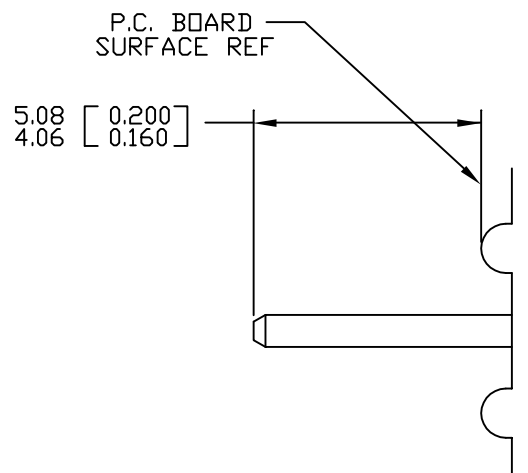


PRINTED CIRCUIT LAYOUT

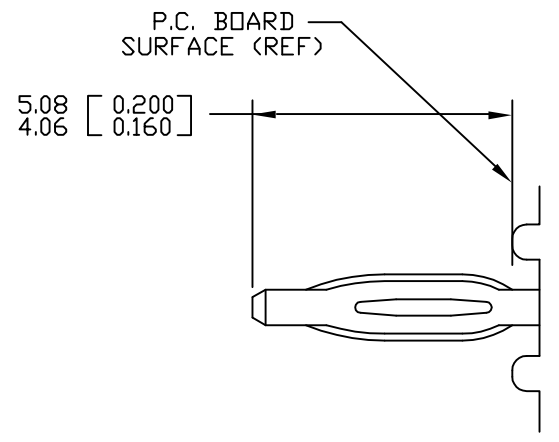
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN R.F.A. CHECKED	DATE 03/05/99	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	TITLE PIN CONNECTOR, FLATPAQ RIGHT ANGLE, COMPLIANT TAILS PN: 279-0565-00300B	
	APPROVED APPROVED D. CHAU DCA APPROVED M. ALIM	DATE 06/17/04 07/07/04			SIZE B
	ACAD FILE NUMBER C1646810B1.DWG	DWG SCALE 1=1	SH 3 OF 4		

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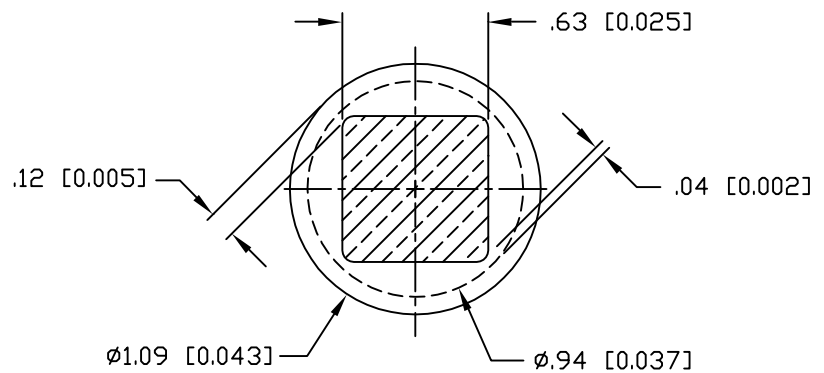


SOLDER PIN DETAIL



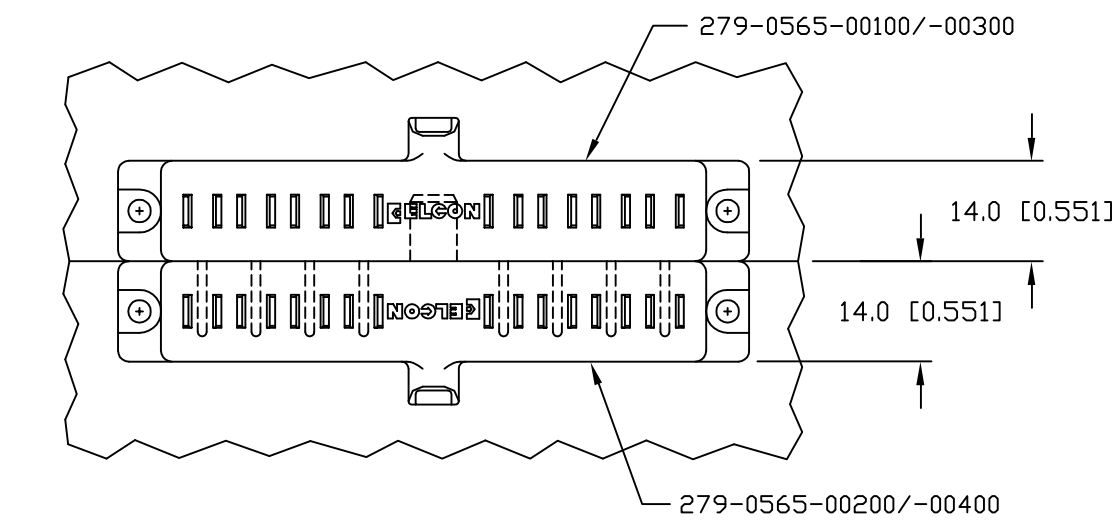
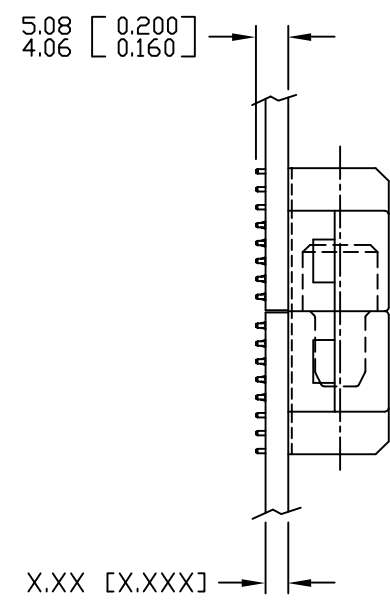
COMPLIANT PIN DETAIL
INSERTION/EXTRACTION FORCES

MAXIMUM PUSH-IN: 133.3N PER PIN [30 LBS]
MINIMUM PUSH-OUT: 44.4N PER PIN [10 LBS]



SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE
FINISHED HOLE: ø1.02 [0.040] ±.08 [0.003]
DRILLED HOLE: ø1.15 [0.0453] ±.013 [0.0005]
COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)
TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION

← MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN	DATE	Tyco Electronics Corporation Menlo Park, Ca 94025 	
	R.F.A.	03/05/99		TITLE
	CHECKED		USER INFORMATION SOLDER & COMPLIANT TAIL TERMINATION AND MATED CONDITION	
	APPROVED			
APPROVED	D. CHAU	06/17/04	SIZE	
DCA APPROVED	M. ALIM	07/07/04	DWG NUMBER	
ACAD FILE NUMBER	C1646810B1.DWG		= 1646810	
			REV.	
			B1	
			DWG SCALE 1=1 SH 4 OF 4	