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REVISIONS

EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	09/27/05

B NOTES: UNLESS OTHERWISE SPECIFIED

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCOM APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. ITEMS PROVIDED TO THIS SPECIFICATION ARE TO BE PERMANENTLY IDENTIFIED ON THE PART AND PACKAGE WITH THE FOLLOWING INFORMATION: PART NUMBER AND DATE CODE OF MANUFACTURE.
3. MATERIALS:
INSULATOR: VALOX 420-SEO, UL RATED, 94V-0, COLOR- BLACK.
BACKPLANE CONTACTS: BRASS, CDA 36000
CROWN BANDS: BeCu, CDA 17200, HEAT TREATED
HOT PLUG HOODS: BeCu, CDA 17300
MOUNTING HARDWARE: STEEL.
4. FINISHES:
SIZE #12 AND #20 CONTACTS: GOLD PLATED.
SIZE #8 CONTACT: SILVER PLATED.
CROWN BANDS: GOLD PLATED.
HOT PLUG HOODS: GOLD PLATED.
MOUNTING HARDWARE: ZINC PLATED.
5. INSERTION FORCE (MAX) AND WITHDRAWAL FORCE (MIN) IN OUNCES:

SIZE	INSERTION	RETENTION
8	48	12
12	80	16
20	5	1

6. MOUNTING HARDWARE WILL BE PACKAGED SEPARATELY AND SHIPPED LOOSE WITH THE CONNECTOR ASSEMBLY.

REF PN: 1-1428066-0 (WAS 903-0104-02300) SCREW, PAN HEAD, PHILIPS (2 EA)
5018030-1 (WAS 903-37-02300) HEX NUT, 3mm x 2.4 (2 EA)

7. BACKPLANE CONNECTOR REFERENCE ASSEMBLY PART NUMBERS:

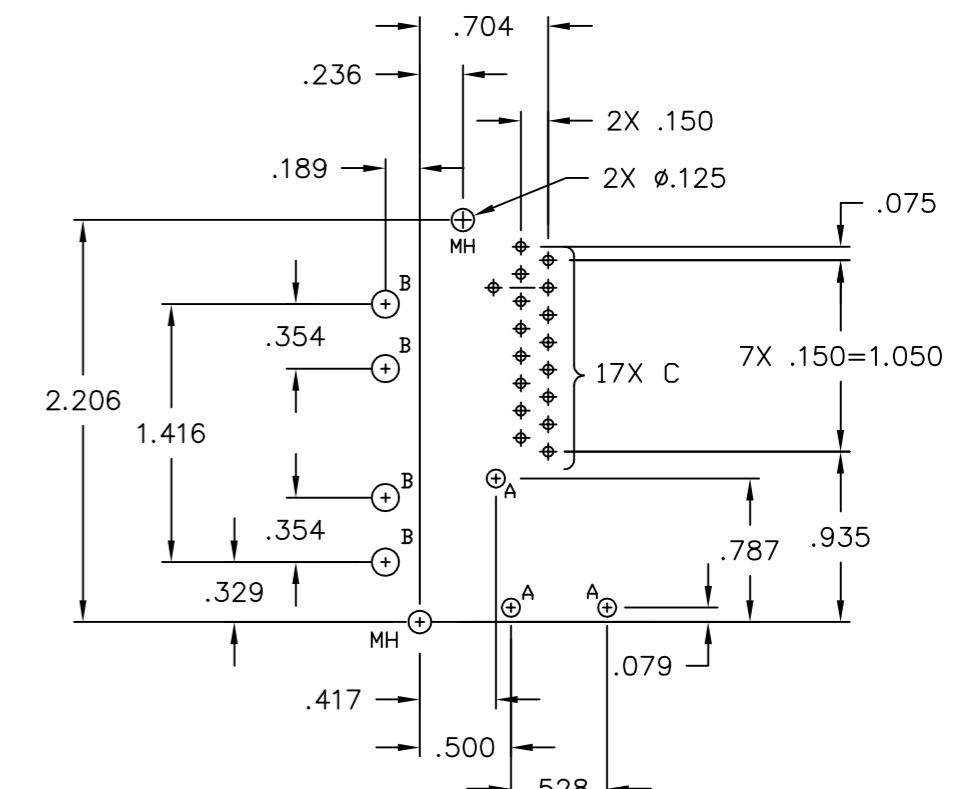
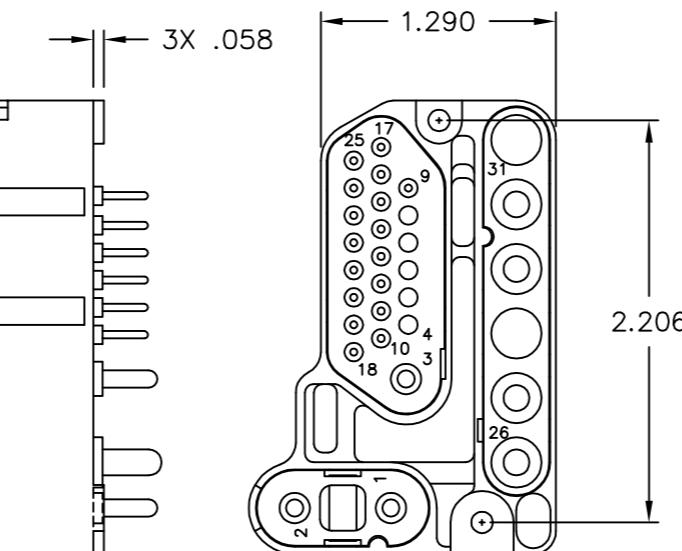
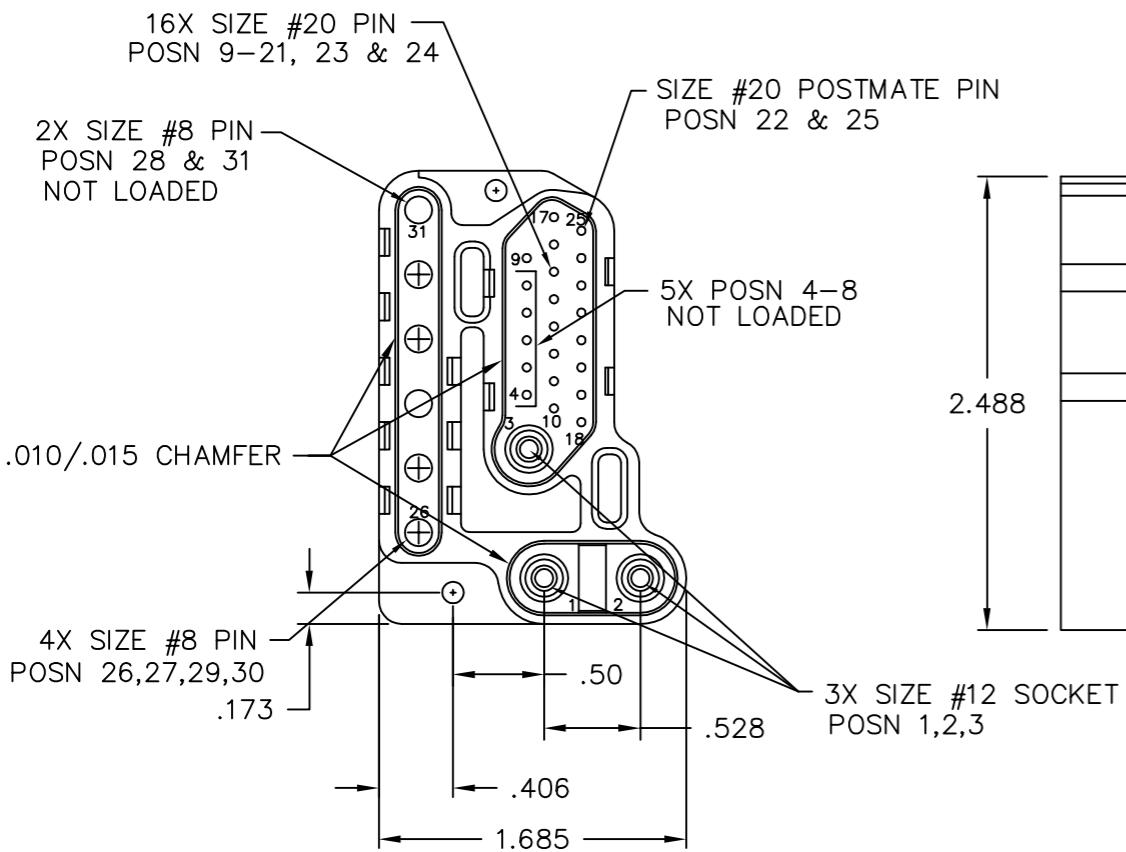
TYCO PN: 6643101-1 (RoHS VERSION OF ELCOM PN 235-0144-00100B)
SUN MICRO PN: 130-4461-01

 <small>THIRD ANGLE PROJECTION</small>	DRAWN	DATE	 <small>Tyco Electronics Corporation Menlo Park, Ca 94025</small>	<small>TITLE</small>
	LOVATO/M. ALIM	09/27/05		
CHECKED				
APPROVED				
APPROVED				
D. CHAU	09/27/05			
DECIMALS				
.XXX ± .010 (.25)				
.XX ± .02 (.3)				
ACAD FILE NUMBER	C6643101A.DWG	DWG SCALE	1 = 1	SH 1 OF 3

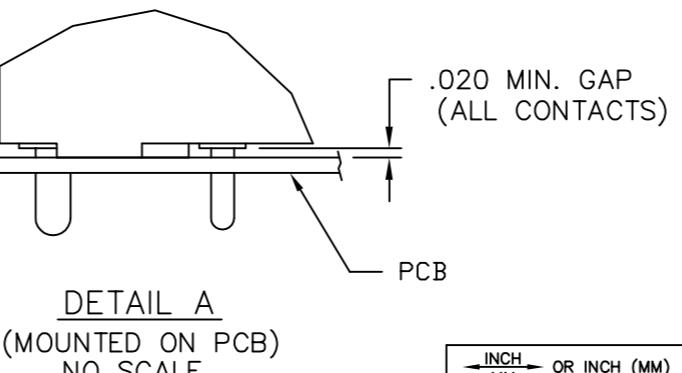
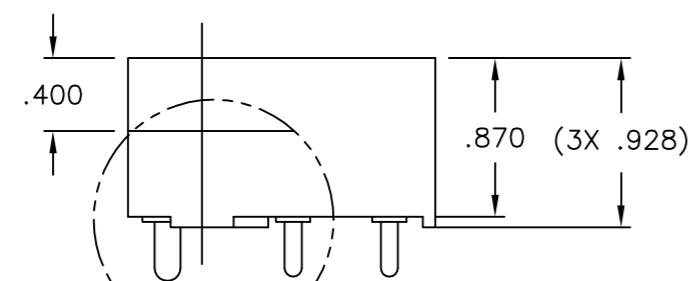
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REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



SUGGESTED PCB LAYOUT



DETAIL A
(MOUNTED ON PCB)
NO SCALE

HOLE IDENT	SIZE	QTY	CONTACT
A	12	3	SOCKET
B	8	4	PIN
C	20	17	PIN

INCH OR INCH (MM)		DRAWN	DATE	tyco Electronics	Tyco Electronics Corporation Menlo Park, Ca 94025
MM	INCH	LOVATO/M. ALIM	09/27/05		
THIRD ANGLE PROJECTION					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)		CHECKED			
TOLERANCES		APPROVED			
ANGLES $\pm .5^\circ$		APPROVED			
DECIMALS		D. CHAU	09/27/05		
$.XXX \pm .010 (.25)$		DCA APPROVED			
$.XX \pm .02 (.3)$		M. ALIM	09/27/05		
ACAD FILE NUMBER		C6643101A.DWG		SIZE	DWG NUMBER
		C- 6643101		REV.	A
				DWG SCALE	1=1
		SH 2 OF 3			

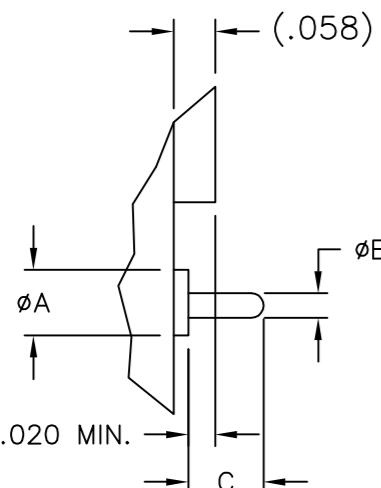
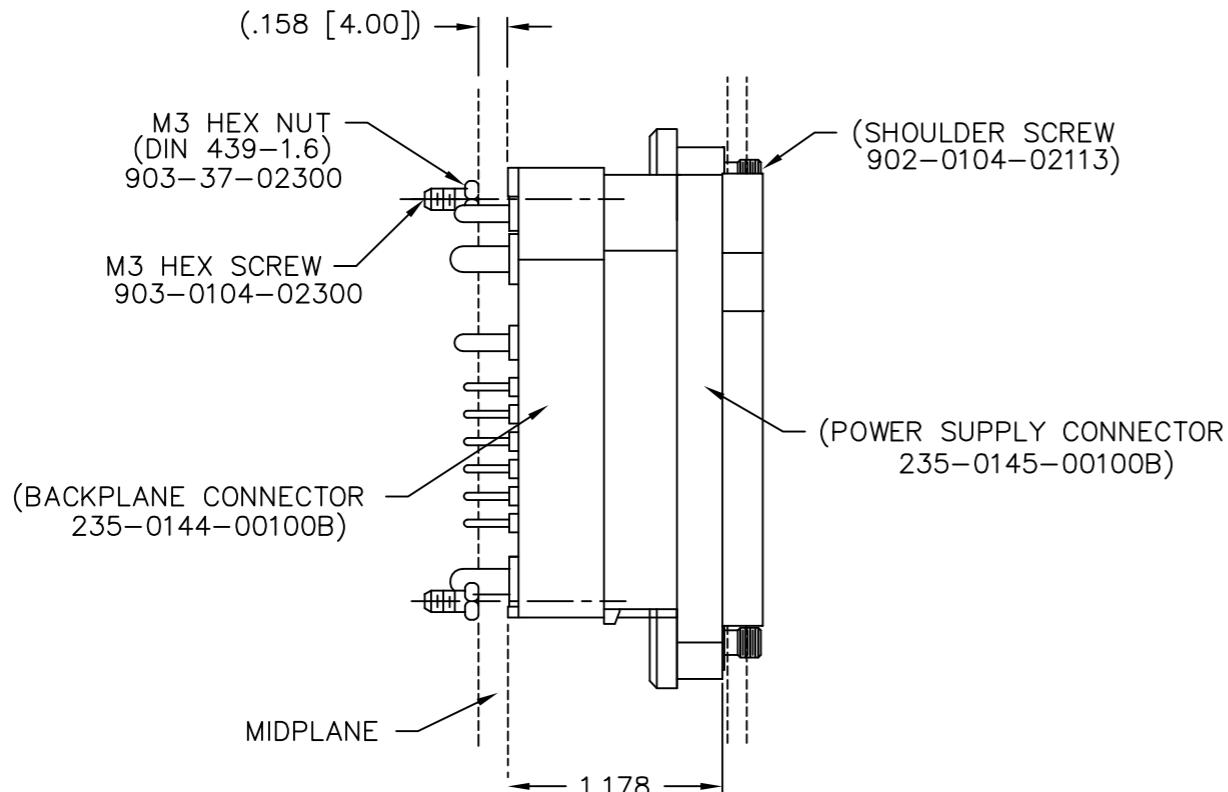
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CONNECTOR SET, MATED

REVISIONS

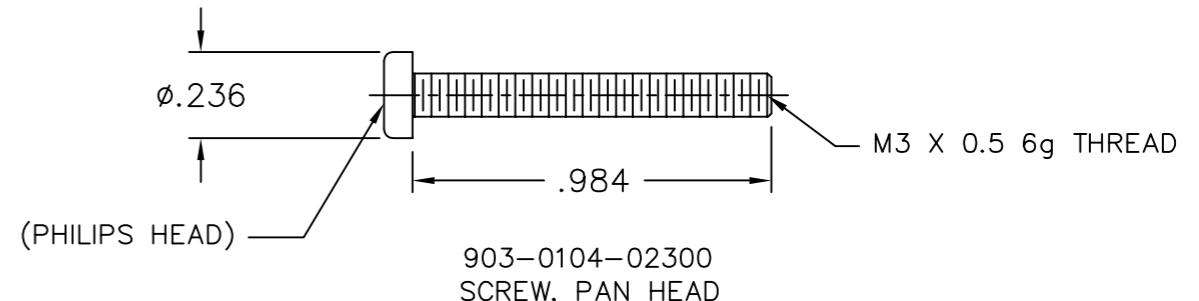
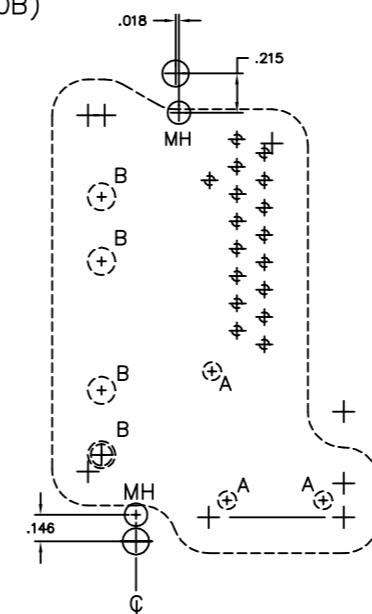
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

TYCO PN 6643101-1, RoHS VERSION OF ELCON PN 235-0144-00100B
& TYCO PN 6651160-1, RoHS VERSION OF ELCON PN 235-0145-00100B)



DIM	CONTACT SIZE		
	20	12	8
A	.102	.188	.276
B	.040	.093	.142
C	.280	.330	.340

NO SCALE



SCALE : 2=1

<small>INCH OR INCH (MM)</small>  <small>THIRD ANGLE PROJECTION</small>	DRAWN	DATE	tyco Electronics	
	LOVATO/M. ALIM	09/27/05		
CHECKED				
APPROVED				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)	APPROVED		ELCON <small>TITLE</small> <small>MATING CONNECTOR AND MOUNTING HARDWARE PN 6643101-1</small>	
TOLERANCES	APPROVED			
ANGLES $\pm .5^\circ$	D. CHAU	09/27/05	<small>SIZE</small> B <small>DWG NUMBER</small> C- 6643101 <small>REV.</small> A	
DECIMALS	DCA APPROVED			
.XXX $\pm .010 (.25)$	M. ALIM	09/27/05	<small>ACAD FILE NUMBER</small> C6643101A.DWG <small>DWG SCALE</small> 1=1 <small>SH 3 OF 3</small>	
.XX $\pm .02 (.3)$	ACAD FILE NUMBER	C6643101A.DWG		

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[6643101-1](#)