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## REVISIONS

EC	REV	DESCRIPTION	DATE
0S1Q-0457-04	A	NEW RELEASE	12/29/04

## 8. CONTACT INFORMATION

CONNECTOR	TYCO PART NUMBER	ELCON PART NUMBER	EQUIVALENT CATALOG MODULE #	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6648072-1	378-0895-10200A	FP0700	POWER	8	3	1.25 X 7.00	35 AMPERES	7.50 [.2953] 250 VAC
					8	5	1.25 X 7.00	35 AMPERES	VARIABLES
				SIGNAL	22	24	.64 [.025] SQ.	3 AMPERES	2.50 [.0984] 125 VOLTS

NOTES: UNLESS OTHERWISE SPECIFIED.

\*IAW IEC-950

- 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.

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. THICKNESS.

TERMINALS: TIN PLATED, MATTE FINISH,  
.000100" MINIMUM THICKNESS.

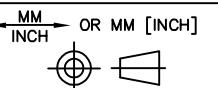
 MOUNTING FLANGE HOLES ACCEPT M3.5 OR #6 SCREWS (USER SUPPLIED).

5. RECOMMENDED PRESSING TOOL: FIX00196. CONTACT ELCON FOR TOOLING QUOTE OR TO ORDER.

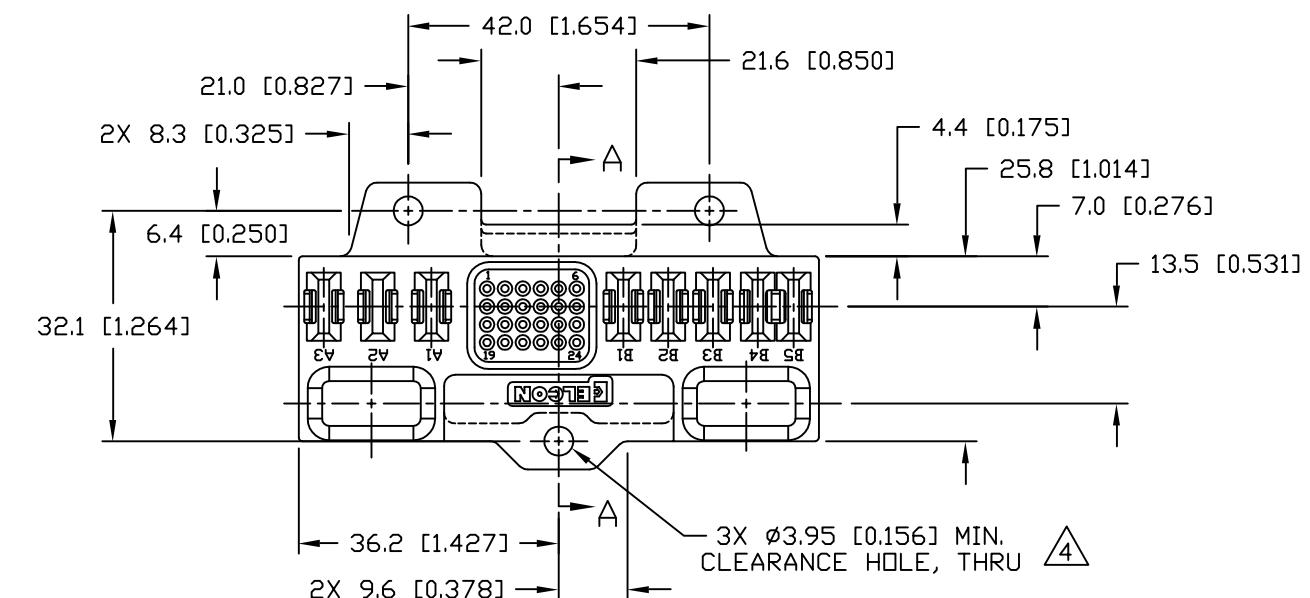
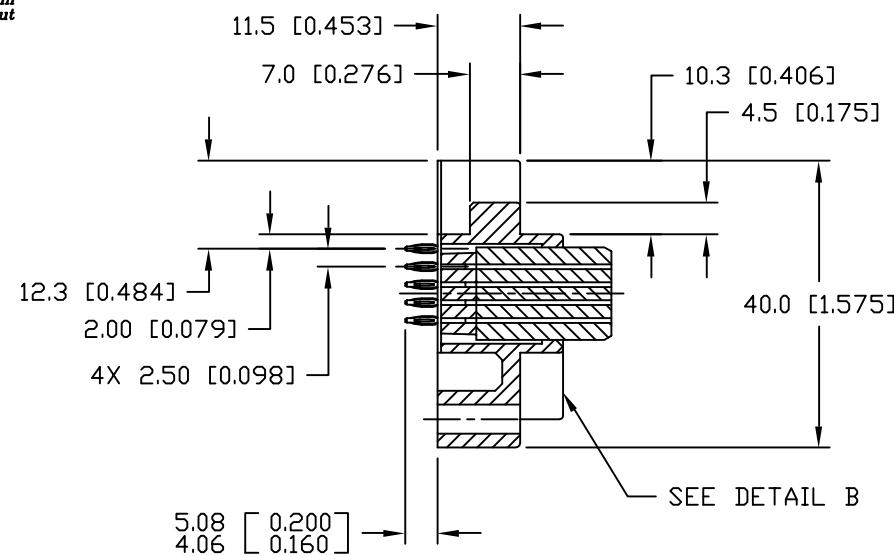
6. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



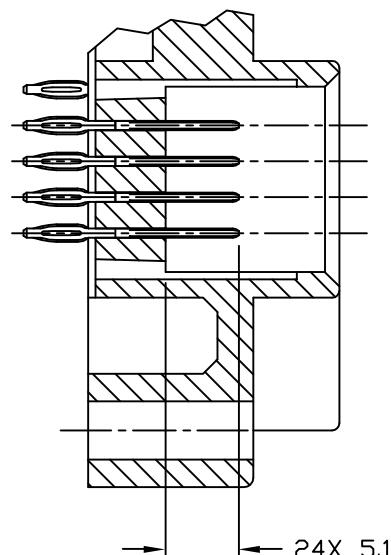
7. THIS CONNECTOR MATES WITH PIN CONNECTOR PN 379-0895-10100.

 <small>THIRD ANGLE PROJECTION</small>	DRAWN	DATE	 <small>Tyco Electronics Corporation Menlo Park, Ca 94025</small>	<small>Tyco Electronics</small>
	CHECKED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED			
TOLERANCES	APPROVED			
ANGLES $\pm .5^\circ$	D. CHAU	12/29/04		
DECIMALS	DCA APPROVED			
.XX $\pm .25 [.010]$	M. ALIM	01/07/05		
.X $\pm .5 [.020]$	ACAD FILE NUMBER			
	C - 6648072		REV.	A
	C - 6648072		DWG SCALE	1=1
	C - 6648072		SH 1 OF 4	

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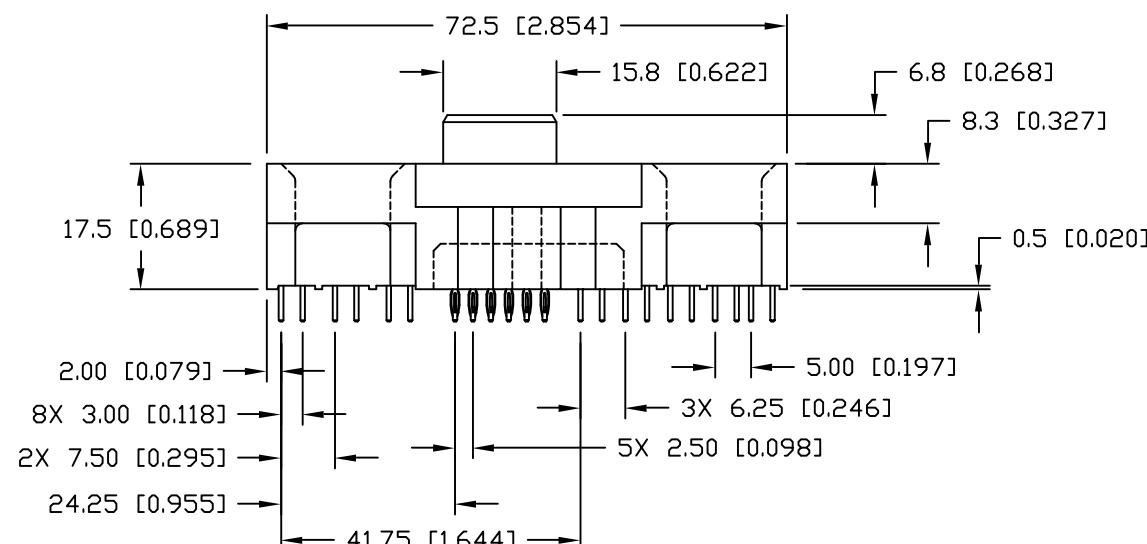


SECTION A-A



DETAIL B

GENDER CHANGER NOT SHOWN FOR CLARITY

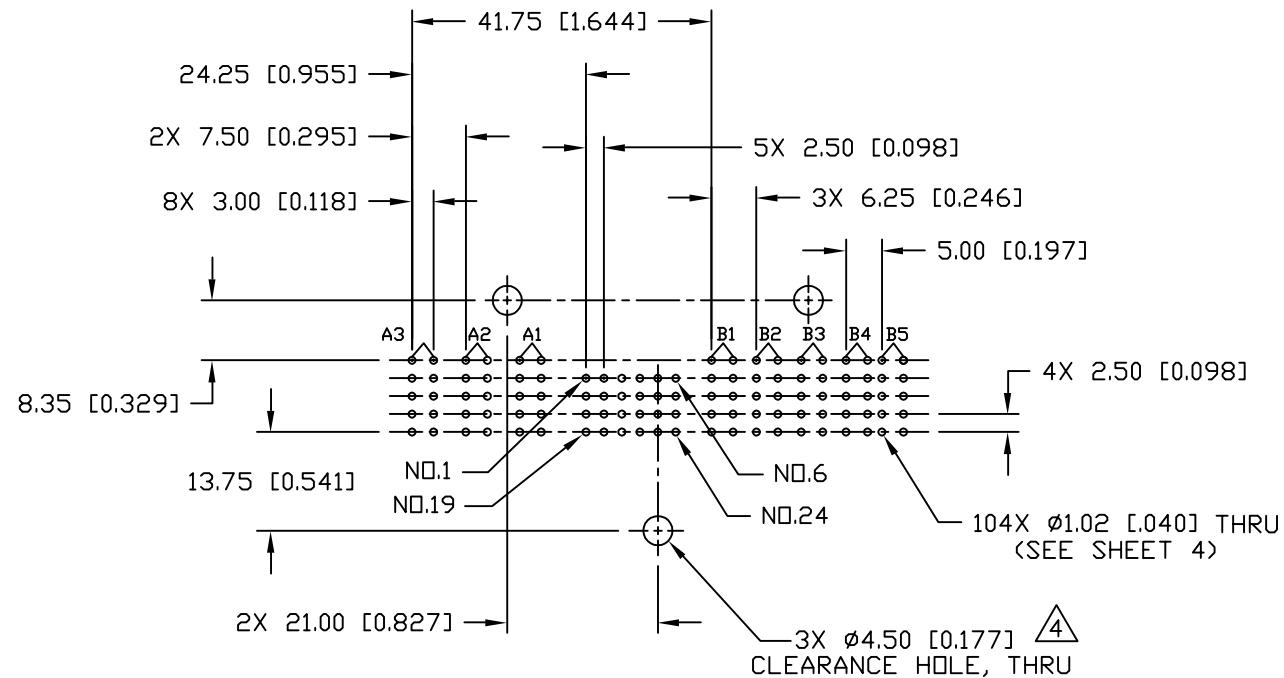


MM INCH	OR MM [INCH]	DRAWN R. F. A.	DATE 10/28/04	tyco Electronics		TITLE SOCKET CONNECTOR, SERVERPAK STRAIGHT, COMPLIANT TAILS PN: 378-0895-10200A
THIRD ANGLE PROJECTION		CHECKED				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]		APPROVED				
TOLERANCES		APPROVED				
ANGLES $\pm .5^\circ$		D. CHAU	12/29/04			
DECIMALS		DCA APPROVED				
.XX $\pm .25$ [0.010]		M. ALIM	01/07/05			
.X $\pm .5$ [0.020]		ACAD FILE NUMBER		C - 6648072		REV. A
				C6648072A.DWG		DWG SCALE 1=1 SH 2 OF 4

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## REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

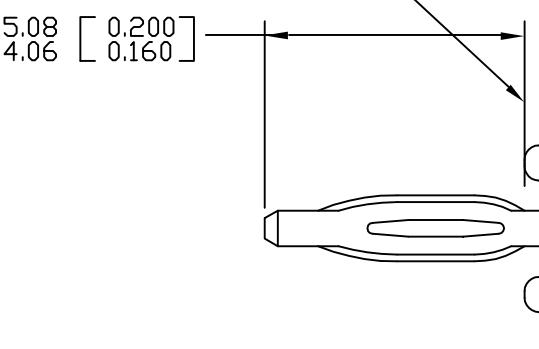


## PRINTED CIRCUIT LAYOUT

 <b>THIRD ANGLE PROJECTION</b>	DRAWN		 <b>tyco Electronics</b> Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED		
	APPROVED		
	APPROVED	12/29/04	
	DCA APPROVED		
	M. ALIM	01/07/05	
	ACAD FILE NUMBER	C6648072A.DWG	DWG SCALE 1=1 SH 3 OF 4

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P.C. BOARD  
SURFACE (REF)

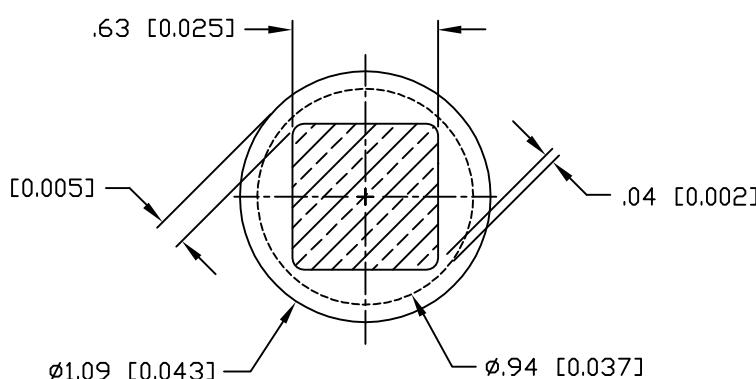


#### COMPLIANT PIN DETAIL

##### INSERTION/EXTRACTION FORCES

MAXIMUM PUSH-IN: 133.3N PER PIN  
[30 LBS]

MINIMUM PUSH-OUT: 44.4N PER PIN  
[10 LBS]



#### SOLDER TERMINATION AREA

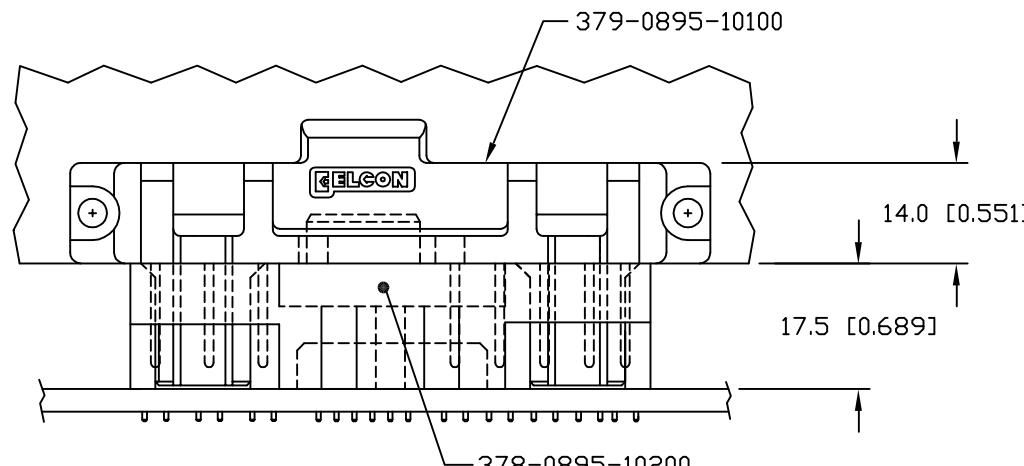
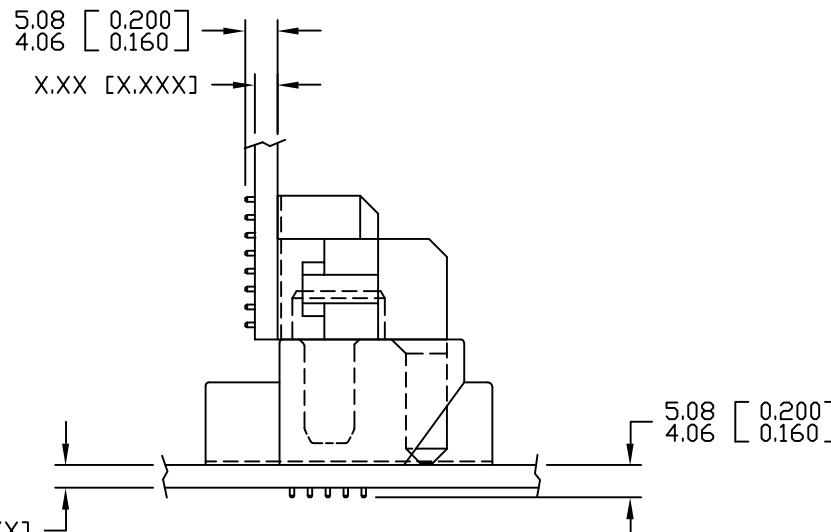
##### RECOMMENDED PRINTED CIRCUIT HOLE

FINISHED HOLE: Ø1.02 [0.040] ±.08 [0.003]

DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0035]

COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



#### MATED CONDITION

MM INCH		DRAWN R. F. A.	DATE 10/28/04	tyco Electronics		Tyco Electronics Corporation Menlo Park, Ca 94025	
OR MM [INCH]		CHECKED		TITLE		ELCON	
THIRD ANGLE PROJECTION		APPROVED		USER INFORMATION COMPLIANT TAIL TERMINATION AND MATED CONDITION			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]							
TOLERANCES							
ANGLES $\pm .5^\circ$		APPROVED D. CHAU 12/29/04					
DECIMALS							
.XX $\pm .25$ [0.010]							
.X $\pm .5$ [0.020]		DCA APPROVED M. ALIM 01/07/05					
ACAD FILE NUMBER		C6648072A.DWG		REV. A		DWG SCALE 1=1	
C 6648072		SH 4 OF 4					

# Mouser Electronics

Authorized Distributor

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[6648072-1](#)