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REVISIONS

EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	03/07/06

TYPICAL SPECIFICATION TABLE

POSITION	CONTACT SIZE	RATING	VOLTAGE RATING
1 - 3	#12	35 AMPERES	250 VOLTS
4 - 19	#20	5 AMPERES	250 VOLTS
20 - 22	#12	35 AMPERES	250 VOLTS

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

YEAR WEEK

TYCO PART NUMBER DATE CODE (e.g. 0625)

XXXXXXX-X

XXXX

5. ALL DIMENSIONS SHOWN ACROSS A CENTERLINE (C) SHALL BE CENTRALIZED WITHIN THE TOLERANCE INDICATED FOR THAT DIMENSION.

4. A REFERENCE DIMENSION (XXX) IS WITHOUT TOLERANCE AND USED FOR INFORMATION PURPOSE ONLY.

3. RECOMMENDED MOUNTING HARDWARE: TO BE ORDERED SEPARATELY.

- FOR PANEL MOUNTING, USE

1650402-1: SHOULDER SCREW, #8-32

1650106-1: SHOULDER SCREW, #6-32

1650589-1: SHOULDER SCREW, M4X0.7

- FOR PCB MOUNTING, USE COMMERCIALLY AVAILABLE SCREW AND WASHER (IF REQUIRED).

2. MATERIALS:

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

RETENTION CLIP: COPPER ALLOY OR STAINLESS STEEL

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

1648115-1

AS SHOWN

PART NUMBER

DESCRIPTION

tyco
ElectronicsTyco Electronics Corporation
Menlo Park, Ca 94025**ELCON**

TITLE

CONNECTOR, SOCKET HOUSING
#12, #20, #12 CONFIGURATION
MINI DRAWER

SIZE

DWG NUMBER

B

C = 1648115

REV.

A

DRAWN

HA NGUYEN

DATE

03/07/06

CHECKED

APPROVED

APPROVED

STEVE FLICKINGER

03/07/06

DCA APPROVED

HA NGUYEN

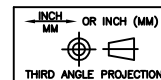
03/07/06

ACAD FILE NUMBER

C1648115A.DWG

DWG SCALE 1=1

SH 1 OF 3

THIRD ANGLE PROJECTION
UNLESS OTHERWISE
SPECIFIED DIMENSIONS
ARE IN INCHES (METRIC)

TOLERANCES

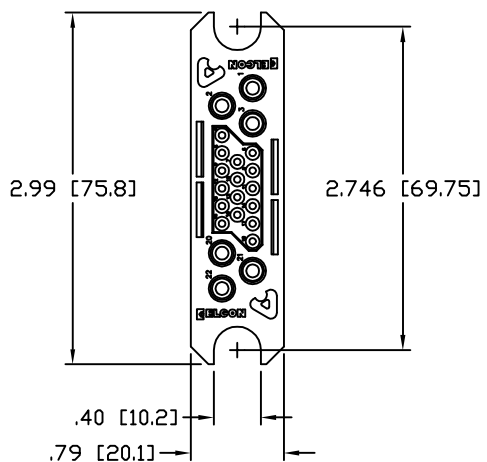
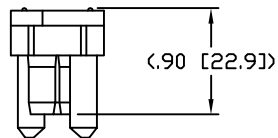
ANGLES ± .5°

DECIMALS

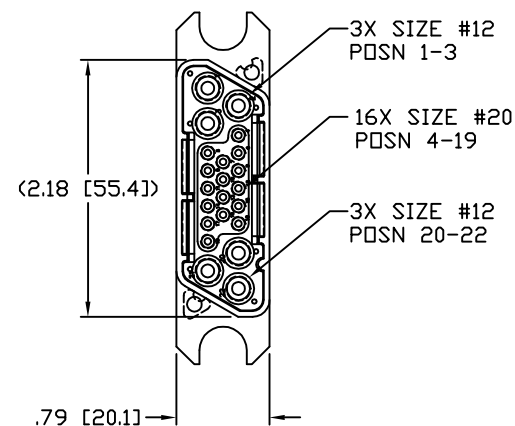
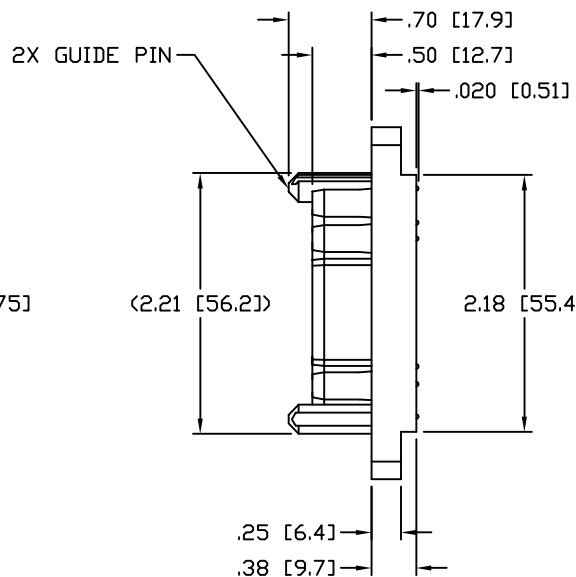
.XXX ± .010 (.25)

.XX ± .02 (.3)

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FRONT VIEW



REAR VIEW

REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

INCH OR INCH (MM) THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC) TOLERANCES ANGLES ± .5° DECIMALS .XXX ± .010 (.25) .XX ± .02 (.3)	DRAWN	HA NGUYEN	DATE	03/07/06	tyco Tyco Electronics Corporation ELCON Menlo Park, Ca 94025	
	CHECKED					
	APPROVED				TITLE CONNECTOR, SOCKET HOUSING #12, #20, #12 CONFIGURATION MINI DRAWER	
	APPROVED	STEVE FLICKINGER	03/07/06			
	DCA APPROVED	HA NGUYEN	03/07/06		SIZE	DWG NUMBER
	ACAD FILE NUMBER	C1648115A.DWG			B	C = 1648115
						REV. A
					DWG SCALE	1=1 SH 2 OF 3

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4 3 2 1

REVISIONS			
EC	REV	DESCRIPTION	DATE
SEE SHEET 1			

CONNECTOR OUTLINE

2.746 [69.75] 2.305 [58.55] .930 [23.62]

2X $\triangle 3$

RECOMMENDED PANEL CUTOUT
AS VIEWED FROM CONNECTOR MOUNTING SIDE
(FRONT VIEW)

3X SIZE #12 1.700 [43.18] 1.550 [39.37] 1.400 [35.56]

16X SIZE #20 .400 [10.16] .300 [7.62] .150 [3.81] .000 [0.00]

3X SIZE #12 .523 [13.28]

8X .075 [1.91] 6X .150 [3.81]

CONTACT LAYOUT
AS VIEWED FROM CONNECTOR MOUNTING SIDE
(FRONT VIEW)

.130 [3.30] .000 [0.00] .130 [3.30]

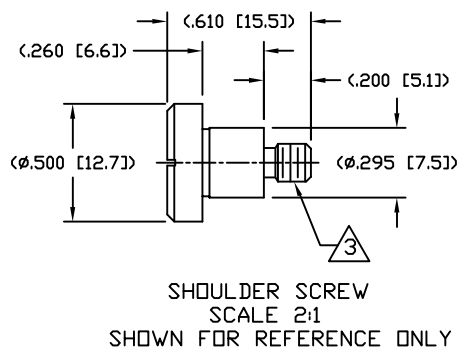
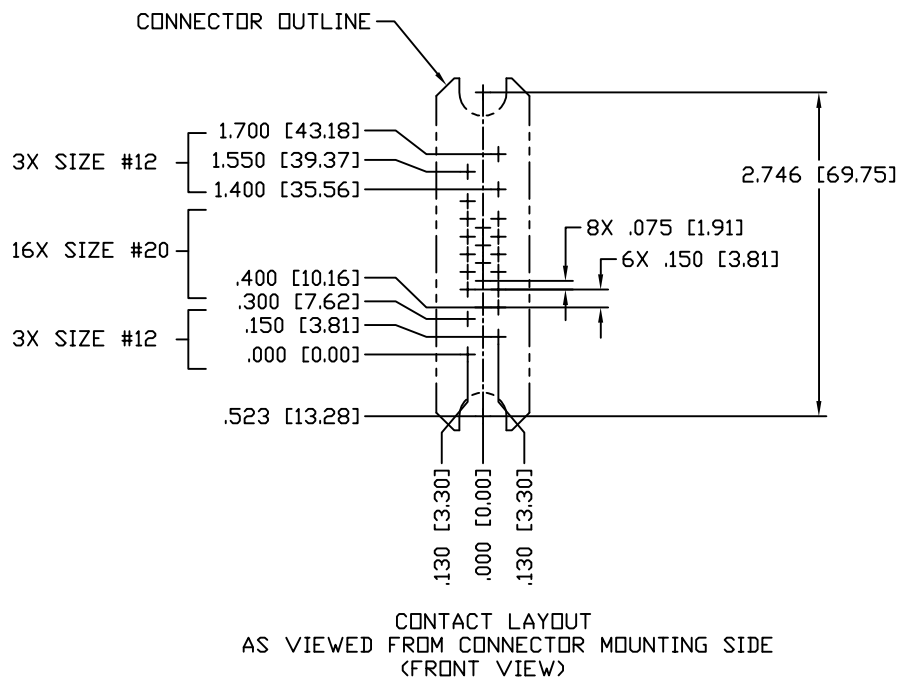
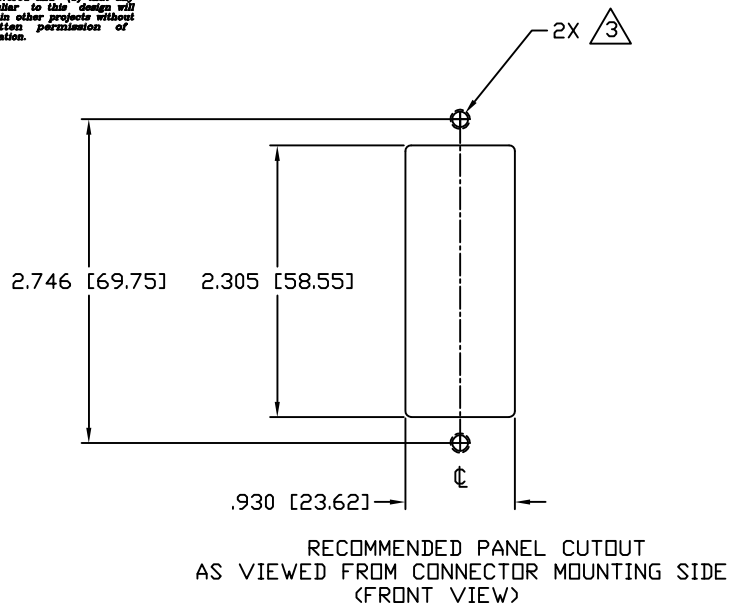
SHOULDER SCREW
SCALE 2:1
SHOWN FOR REFERENCE ONLY

$\phi .500$ [12.7] $\phi .295$ [7.5]

$\triangle 3$

INCH OR INCH (MM)		DRAWN	DATE	tyco Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON	
THIRD ANGLE PROJECTION		HA NGUYEN	03/07/06	TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC)		CHECKED		USER INFORMATION	
TOLERANCES		APPROVED		RECOMMENDED PANEL CUTOUT AND CONTACT LAYOUT	
ANGLES $\pm .5^\circ$		APPROVED	03/07/06	SIZE	DWG NUMBER
DECIMALS		STEVE FLICKINGER	03/07/06	B	C = 1648115
.XXX $\pm .010$ (.25)		DCA APPROVED	03/07/06	REV. A	
.XX $\pm .02$ (.3)		HA NGUYEN			
		ACAD FILE NUMBER	C1648115A.DWG	DWG SCALE 1=1 SH 3 OF 3	

REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



INCH MM OR INCH (MM)  THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (METRIC) TOLERANCES ANGLES ± .5° DECIMALS .XXX ± .010 (.25) .XX ± .02 (.3)	DRAWN	HA NGUYEN	DATE	03/07/06	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON		
	CHECKED	TITLE					
	APPROVED	USER INFORMATION RECOMMENDED PANEL CUTOUT AND CONTACT LAYOUT					
	APPROVED						
	STEVE FLICKINGER	03/07/06	SIZE	DWG NUMBER	REV.		
DCA APPROVED	03/07/06	B	C= 1648115	A			
HA NGUYEN	03/07/06	ACAD FILE NUMBER		C1648115A.DWG	DWG SCALE	1=1	SH 3 OF 3