

LOC		DIST		REVISIONS					
GP		00		REV	LYR	DESCRIPTION	DATE	DWN	APVD
				A		NEW RELEASE	11SEP2007	RG	PD
				B		REV PER ECO-11-020831	13SEP2011	RG	MS

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

2 MATERIAL: INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK
UL94V-0 FLAMMABILITY RATED.
POWER CONTACTS - PHOSPHOR BRONZE ALLOY,
COPPER ALLOY
SOLDER SIGNAL PIN - BRASS ALLOY
CROWN BAND-BERYLLIUM COPPER ALLOY
GUIDE PIN-BRASS ALLOY

3 FINISH: CONTACTS - GOLD PLATE 0.76µm MIN. THK., OVER
NICKEL 1.27µm MIN. THK
SOLDER TAILS, TIN 3.05µm MIN. THK.
OVER NICKEL 1.27µm MIN. THK
GUIDE PIN - NICKEL PLATE 1.27µm MIN THK.

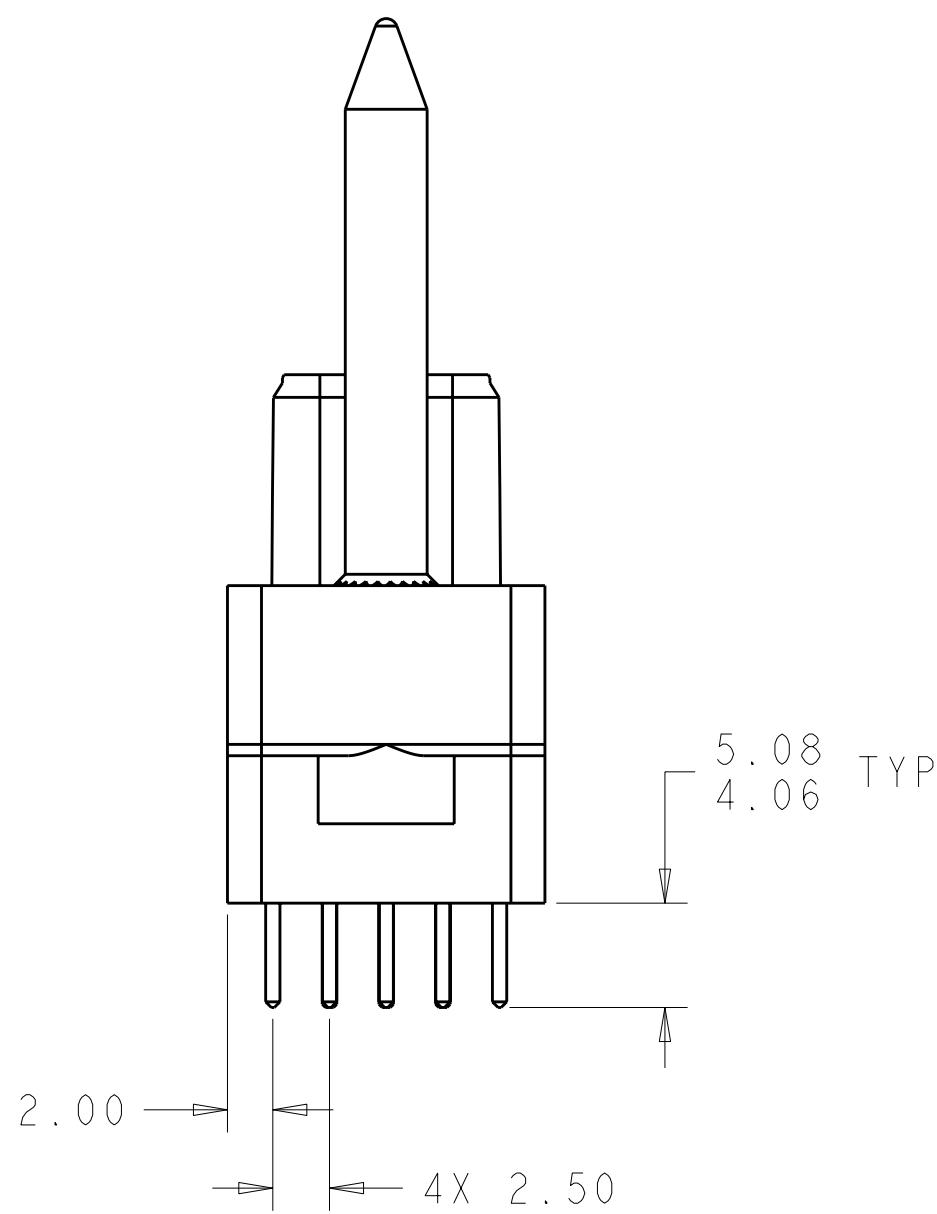
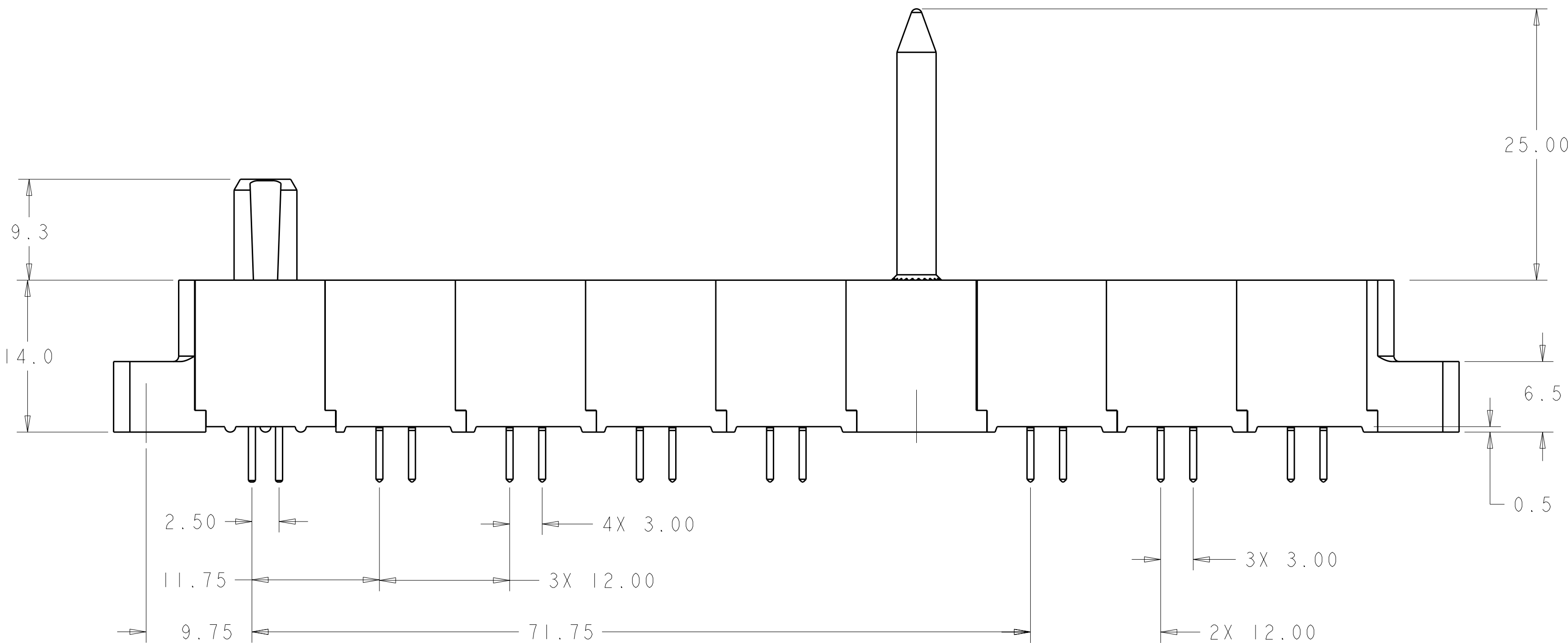
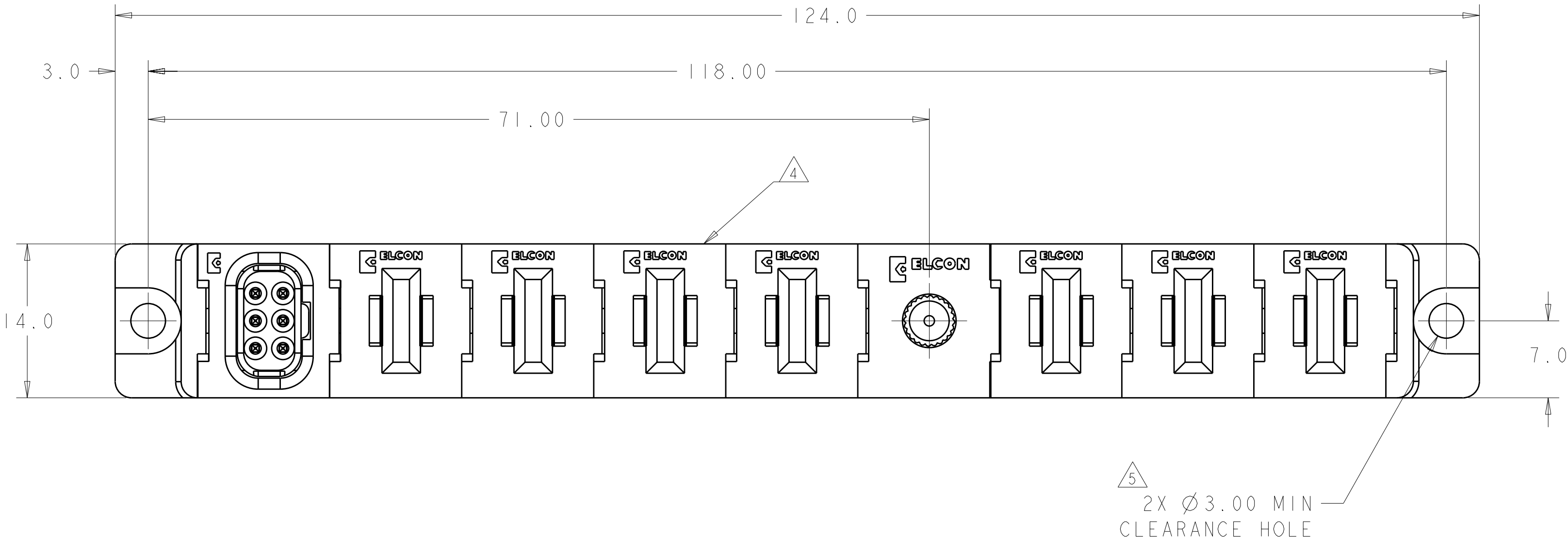
4 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR1WEEK

TYCO ELECTRONICS P/NXXXXXXXX-X

DATE CODE(e.g. 0106)XXXX

5 MOUNTING FLANGES ACCEPT M3 OR 4-40 SCREWS (USER SUPPLIED).



ELCON

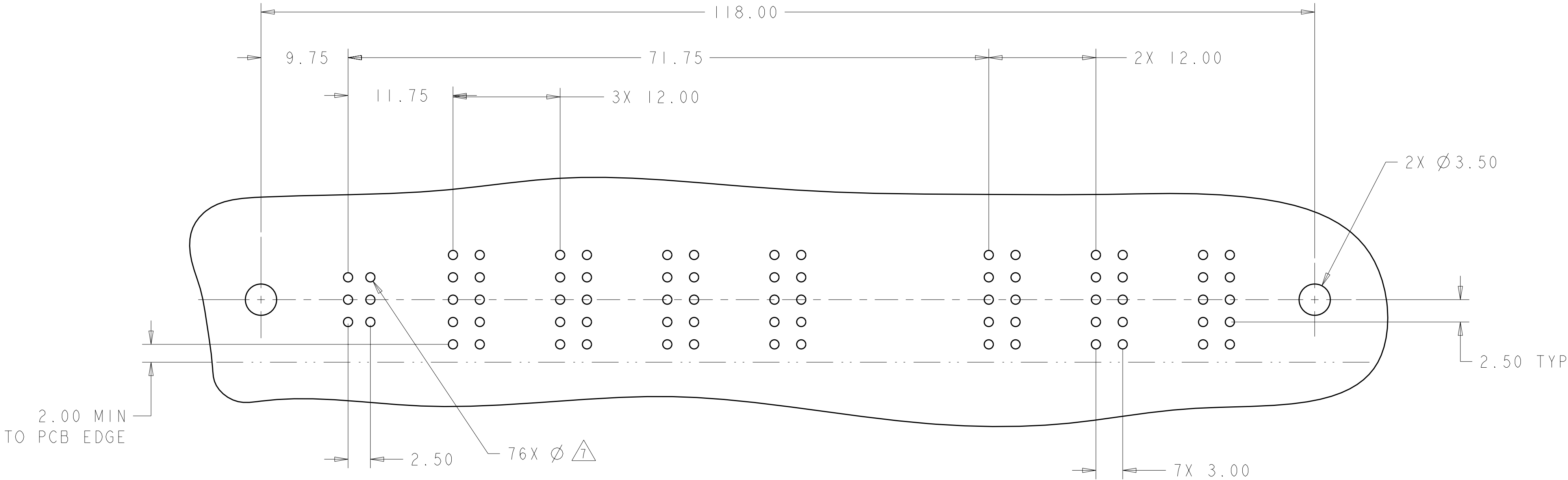
FLATPAQ

AMP 4805 REV 31MAR2000

Pro/ENGINEER DRAWING

AS SHOWN		6646317-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
DWN R.GRZYBOWSKI 11SEP107		NAME	
CHK P.DAMATO 11SEP107		SOCKET CONNECTOR, STRAIGHT SOLDER TAILS FLATPAQ	
APVD S.CLICKINGER 11SEP107		SIZE	
PRODUCT SPEC		A100779C=6646317	
APPLICATION SPEC		RESTRICTED TO	
WEIGHT		SCALE	
CUSTOMER DRAWING		3:1	
		SHEET	
		1 OF 3	
		REV	
		B	

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET I	-	-	-



PRINTED CIRCUIT LAYOUT
COMPONENT SIDE

CONNECTOR	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
SOCKET	FP116	4	8	4	1.25 X 7.00	35 amps	12.00	250 VOLTS
	FP313	1	8	6	.64 SQ.	3 amps	2.50	125 VOLTS
	FP503	2	GUIDE PIN, PASSIVE					
	FP500	1	MOUNTING FLANGE, LEFT					
	FP501	1	MOUNTING FLANGE, RIGHT					

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WHEN NO LONGER REQUIRED FOR THE LATEST REVISION.

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±.5

1 PLC ±.5

2 PLC ±.25

3 PLC ±.25

4 PLC ±.25

ANGLES ±.3

FINISH -

FINISH

-

DWN
R. GRZYBOWSKI
CHK
P. DAMATO
APVD
S. CLICKINGER

11SEPT07

11SEPT07

11SEPT07

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME

SOCKET CONNECTOR, STRAIGHT
SOLDER TAILS
FLATPAQ

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779C=6646317

SCALE

3:1

SHEET

2

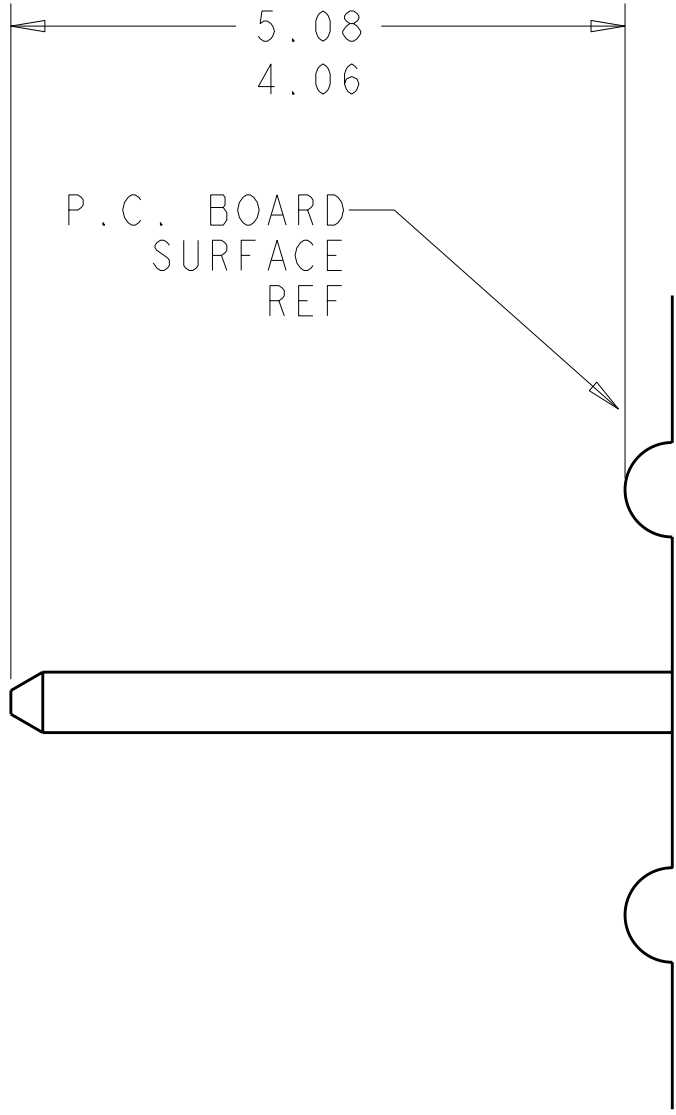
OF

3

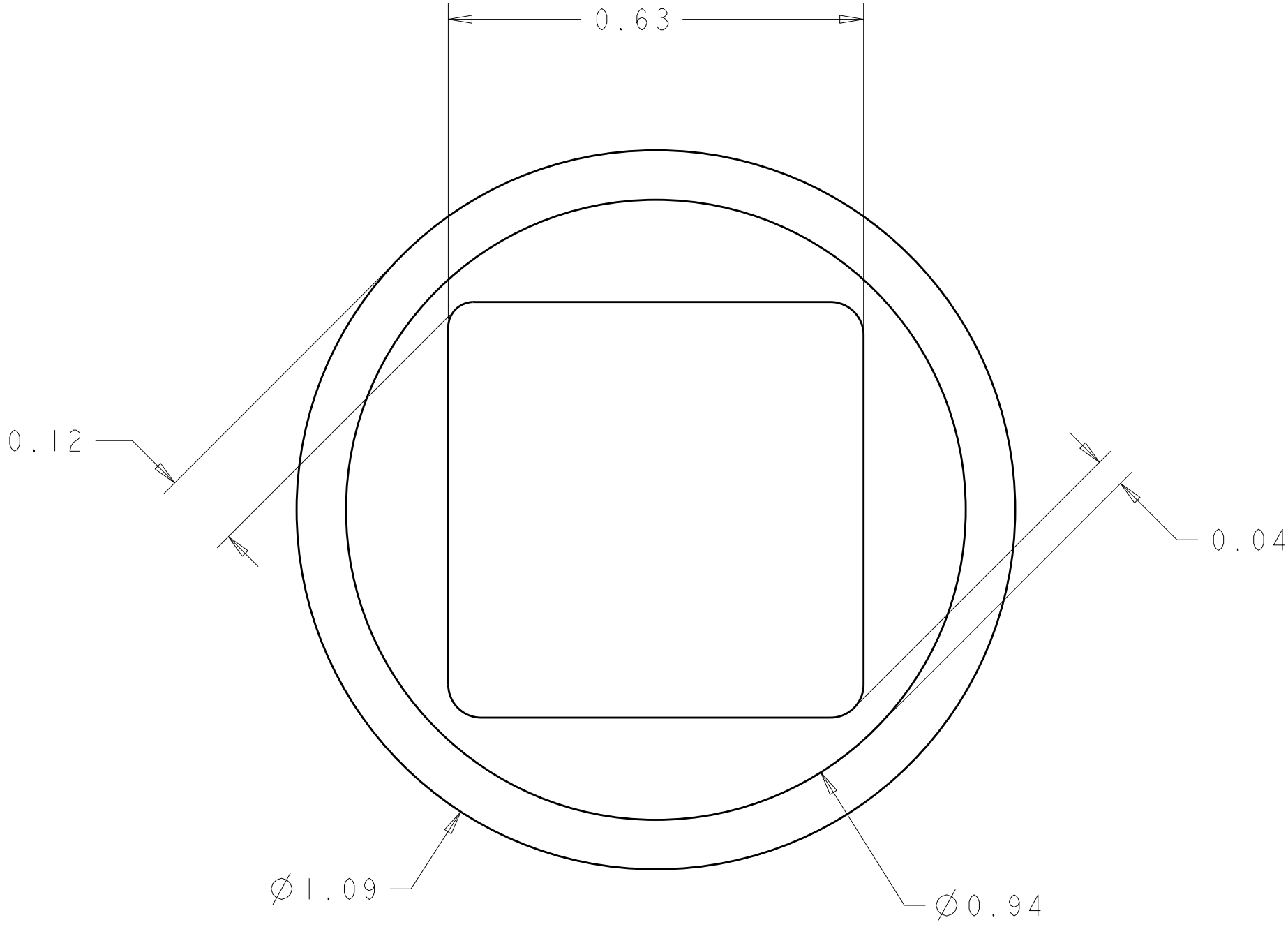
REV

B

LOC	DIST	REVISIONS					
GP	00	REV	LYR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



6. SOLDER PIN DETAIL
SCALE 10 : 1



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
FINISHED HOLE: Ø1.02 [.040] ±.08 [.003]
DRILLED HOLE: Ø1.15 [.0453] ±.013 [.0005]
COPPER PLATE: .025 [.0010] MIN
TIN PLATE: .008 [.0003] MIN. (PER SURFACE)

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DIMENSIONS:		CHK P.DAMATO	11SEPT07	NAME SOCKET CONNECTOR, STRAIGHT SOLDER TAILS FLATPAQ	
mm		APVD S.FLICKINGER	11SEPT07		
		PRODUCT SPEC			
		APPLICATION SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT		SIZE A100779	CAGE CODE C=6646317
0 PLC ±.5 1 PLC ±.5 2 PLC ±.25 3 PLC ±.25 4 PLC ±.25 ANGLES ±.3 FINISH -		CUSTOMER DRAWING		SCALE 3:1	SHEET 3 OF 3
MATERIAL -		-		REV B	

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[6646317-1](#)