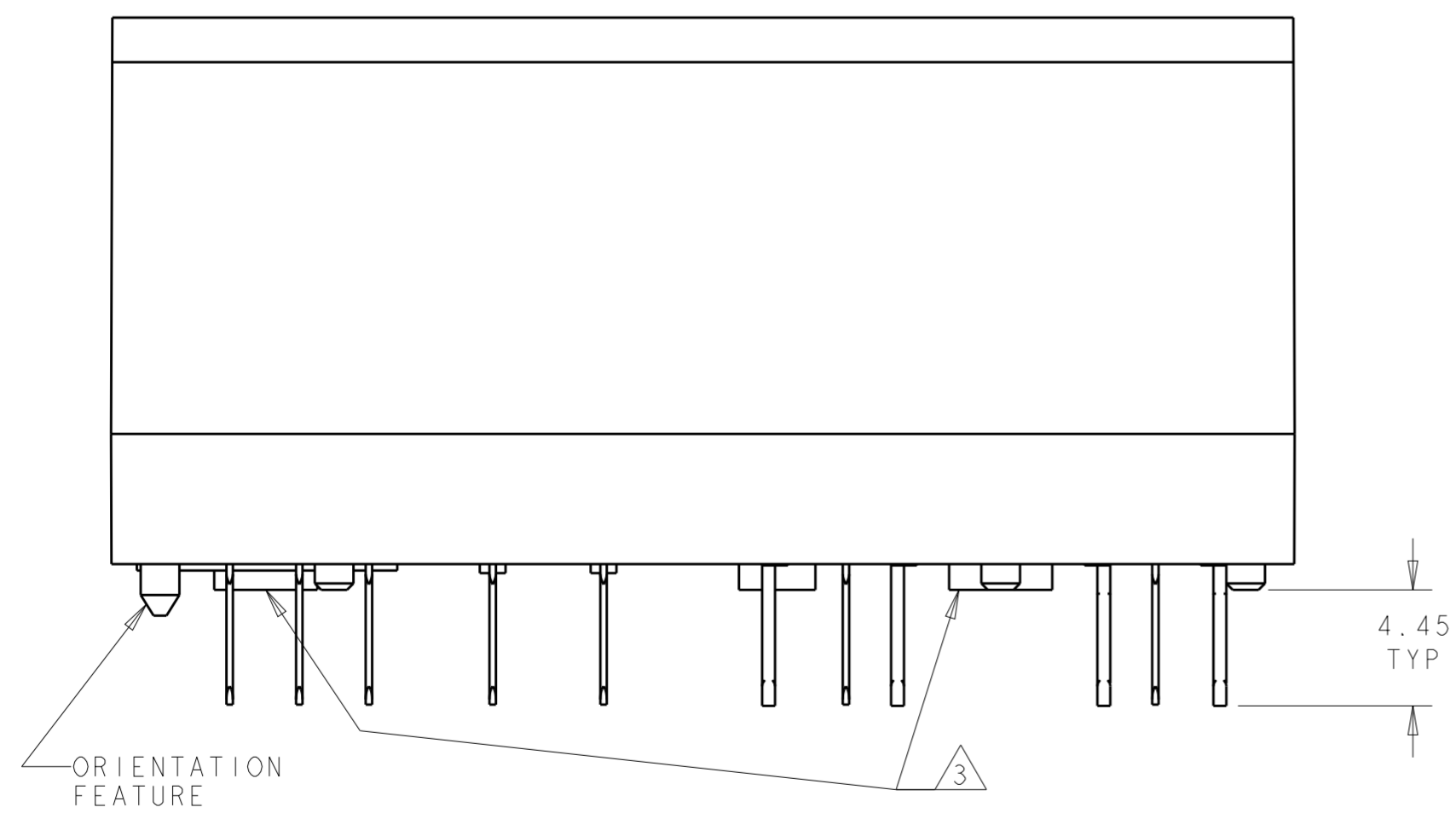
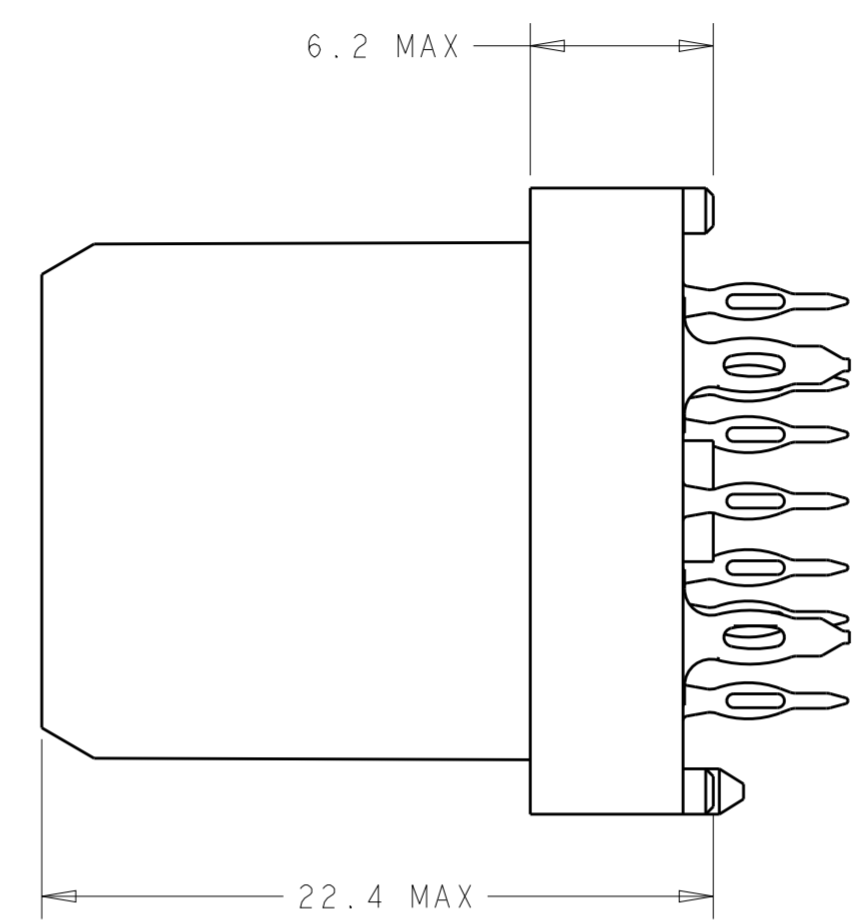
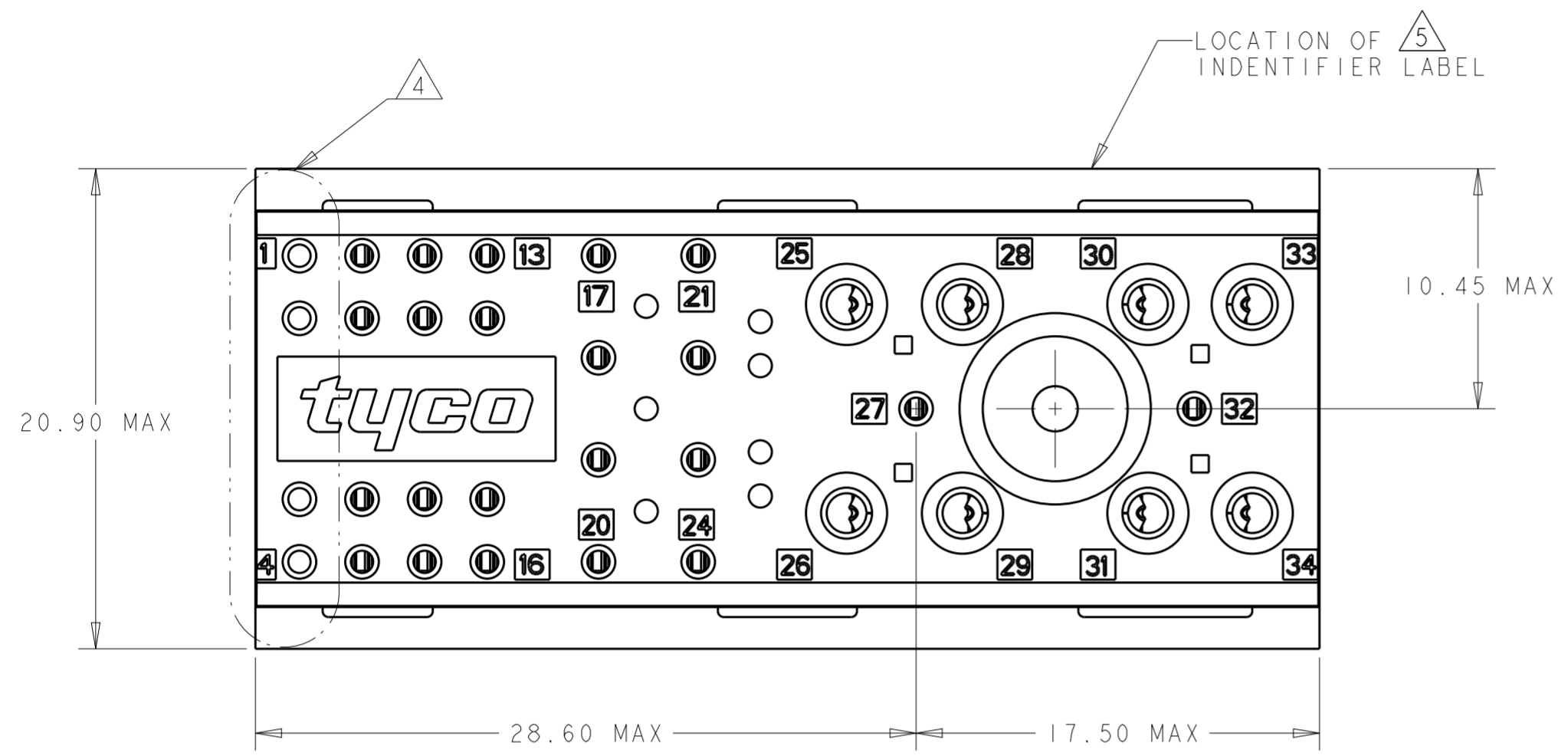


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LOC GP DIST 00

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
D3		REVISED PER ECO-11-005033	05MAY2011	RK HMR
E		REV PER ECR-12-016995	04NOV2012	OL SZ



OBSOLETE	△0 △3	1766501-6
OBSOLETE	△0 △9 △2	1766501-5
OBSOLETE	△1 △0 △2	1766501-4
OBSOLETE	△0 △9 △2	1766501-3
	△0 △2	1766501-2
	△0 △2	1766501-1
	FINISH	PART NO

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DWN L.SIPE 03JUN2005  
 CHK J.McCLELLAN 03JUN2005  
 APVD - 03JUN2005

STE TE Connectivity

NAME CONNECTOR ASSEMBLY, VERTICAL, BACKPLANE, COMPLIANT PRESS FIT, ADVANCED TCA

PRODUCT SPEC 108-2216  
 APPLICATION SPEC 114-13156  
 WEIGHT -

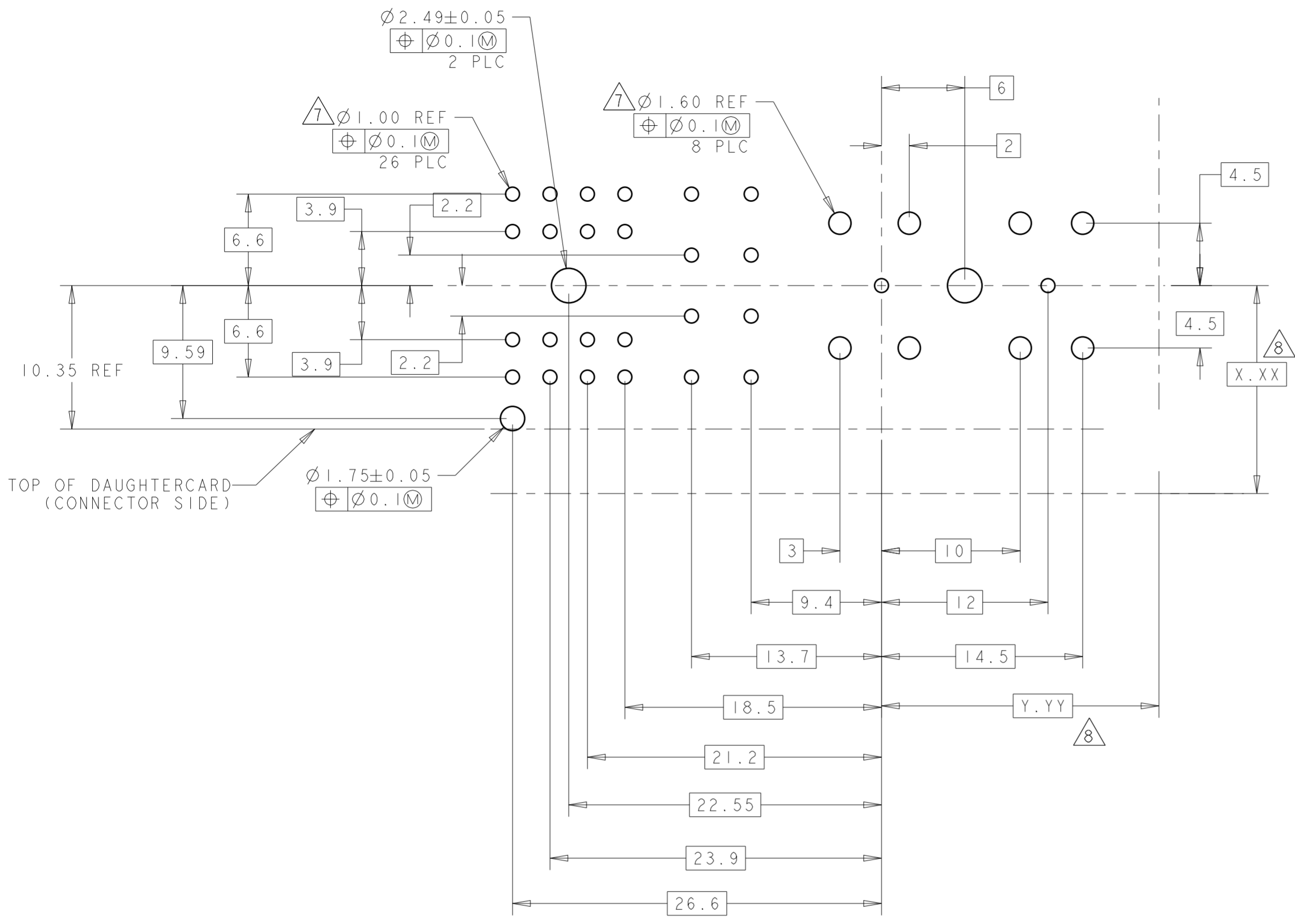
SIZE A2 CAGE CODE 0779 DRAWING NO C-1766501 RESTRICTED TO -

Customer Drawing SCALE 1:1 SHEET 1 OF 2 REV E

1471-9 (3/11)

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LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1			



PCB LAYOUT  
 VIEWED FROM CONNECTOR SIDE  
 SCALE 7:2

12 FINISHES:  
 CONTACTS MATING ZONE: GOLD PLATE, 1.27  $\mu$ m MIN THK  
 OVER NICKEL 1.27  $\mu$ m MIN THK.  
 SOLDER TAILS: TIN PLATED, 1.27  $\mu$ m MIN THK.  
 OVER NICKEL 1.27  $\mu$ m MIN THK.

13 FINISHES:  
 CONTACTS MATING ZONE: GOLD PLATE, 1.27  $\mu$ m MIN THK  
 OVER NICKEL 1.27  $\mu$ m MIN THK.  
 SOLDER TAILS: TIN-LEAD PLATED, 1.27  $\mu$ m MIN THK.  
 OVER NICKEL 1.27  $\mu$ m MIN THK.

1 MATERIALS:  
 INSULATORS: THERMOPLASTIC, GLASS  
 REINFORCED, COLOR-GRAY, UL94V-0  
 FLAMMABILITY RATED.  
 SIGNAL PINS: COPPER ALLOY.  
 POWER CONTACTS: HIGH CONDUCTIVITY  
 COPPER ALLOY.

2 FINISHES:  
 CONTACTS MATING ZONE: GOLD PLATE, 0.76  $\mu$ m MIN THK  
 OVER NICKEL 1.27  $\mu$ m MIN THK.  
 SOLDER TAILS: TIN PLATED, 1.27  $\mu$ m MIN THK.  
 OVER NICKEL 1.27  $\mu$ m MIN THK.

3 OPTIONAL MOUNTING SCREWS ( $\varnothing 2.0$ mm x 5.0mm DP) FOR USE WITH SELF TAPPING SCREWS (CUSTOMER SUPPLIED).

4 POSITIONS 1-4 NOT POPULATED AND RESERVED FOR FUTURE USE.

5 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL:  
 YEAR WEEK



6. GENERAL INFORMATION:

PART NO	SIZE NO	CONTACT QTY	MATING PIN DIA
1766501-1	16 22	8 22	$\varnothing 1.60$ $\varnothing 0.76$

7 MANUFACTURING TOLERANCE FOR:  
 $\varnothing 1.60^{+0.09}_{-0.06}$  FINISHED HOLE WITH Sn PLATING:  
 DRILLED HOLE =  $\varnothing 1.75 \pm 0.025$   
 COPPER PLATING = 0.025 MIN  
 Sn PLATING = 0.008 MIN  
 $\varnothing 1.00^{+0.09}_{-0.06}$  FINISHED HOLE WITH Sn PLATING:  
 DRILLED HOLE =  $\varnothing 1.15 \pm 0.025$   
 COPPER PLATING = 0.025 MIN  
 Sn PLATING = 0.008 MIN

8 DATUMS AND BASIC DIMENSIONS TO BE ESTABLISHED BY CUSTOMER.

9 FINISHES:  
 CONTACTS MATING ZONE: GOLD PLATE, 0.76  $\mu$ m MIN THK  
 OVER NICKEL 1.27  $\mu$ m MIN THK.  
 SOLDER TAILS: TIN-LEAD PLATED, 1.27  $\mu$ m MIN THK.  
 OVER NICKEL 1.27  $\mu$ m MIN THK.

10 CONTACT AREA LUBRICATED WITH BELLCORE APPROVED LUBRICANT. TECHNICAL REFERENCE: GR-1217-COR, ISSUE1, NOVEMBER 1995

11 PRELIMINARY PART NUMBERS NOT RELEASED FOR PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN L. SIPE 03 JUN 2005	TE Connectivity	
		CHK J. McCLELLAN 03 JUN 2005		
		APVD 03 JUN 2005		
DIMENSIONS: mm 		PRODUCT SPEC 108-2216 APPLICATION SPEC 114-13156		NAME CONNECTOR ASSEMBLY, VERTICAL, BACKPLANE, COMPLIANT PRESS FIT, ADVANCED TCA
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm$ 1 PLC $\pm$ 2 PLC $\pm 0.50$ 3 PLC $\pm 0.250$ 4 PLC $\pm$ ANGLES $\pm$ FINISH		WEIGHT -		SIZE A20779
MATERIAL		Customer Drawing		DRAWING NO C-1766501 RESTRICTED TO -
		SCALE 1:1		SHEET 2 OF 2 REV E