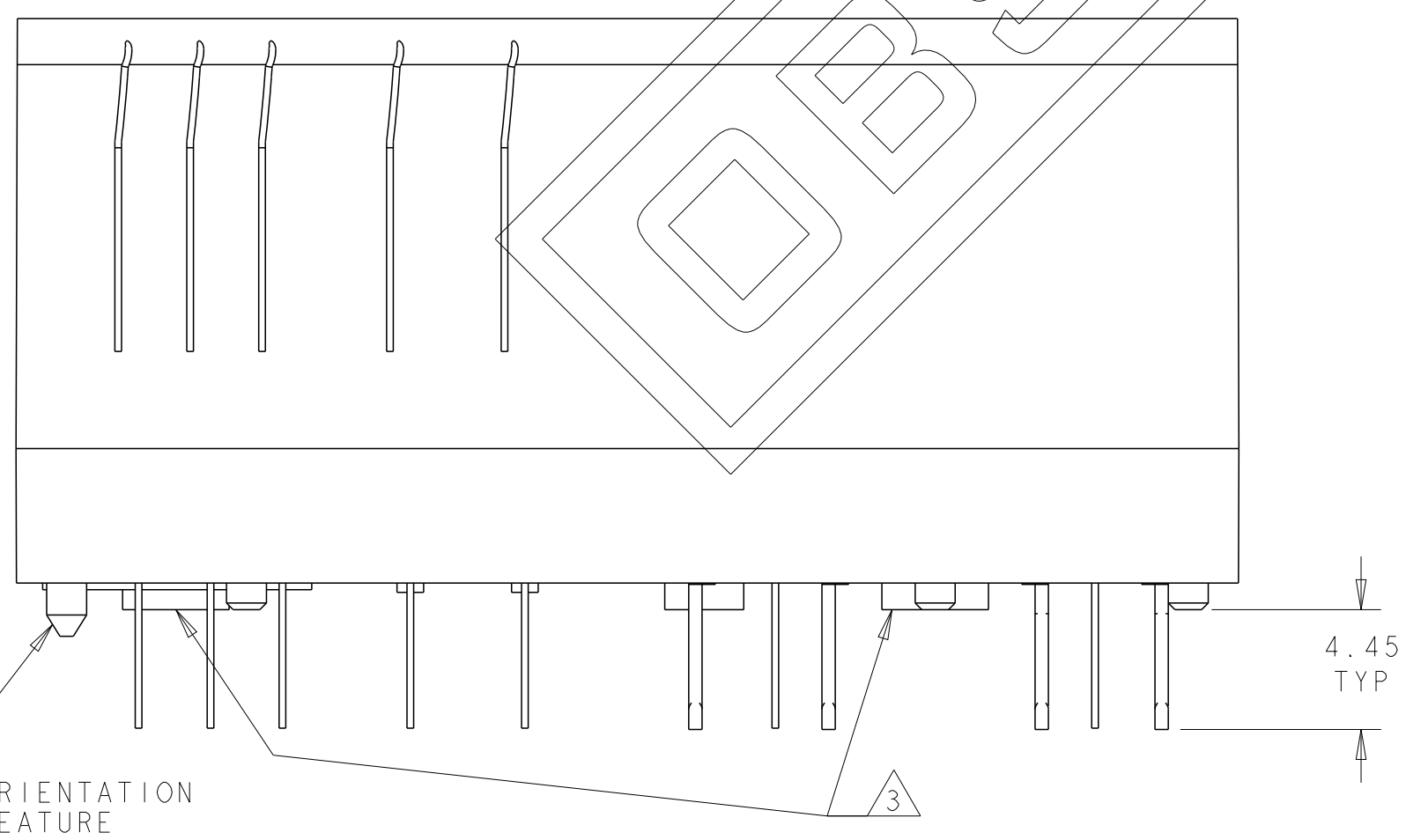
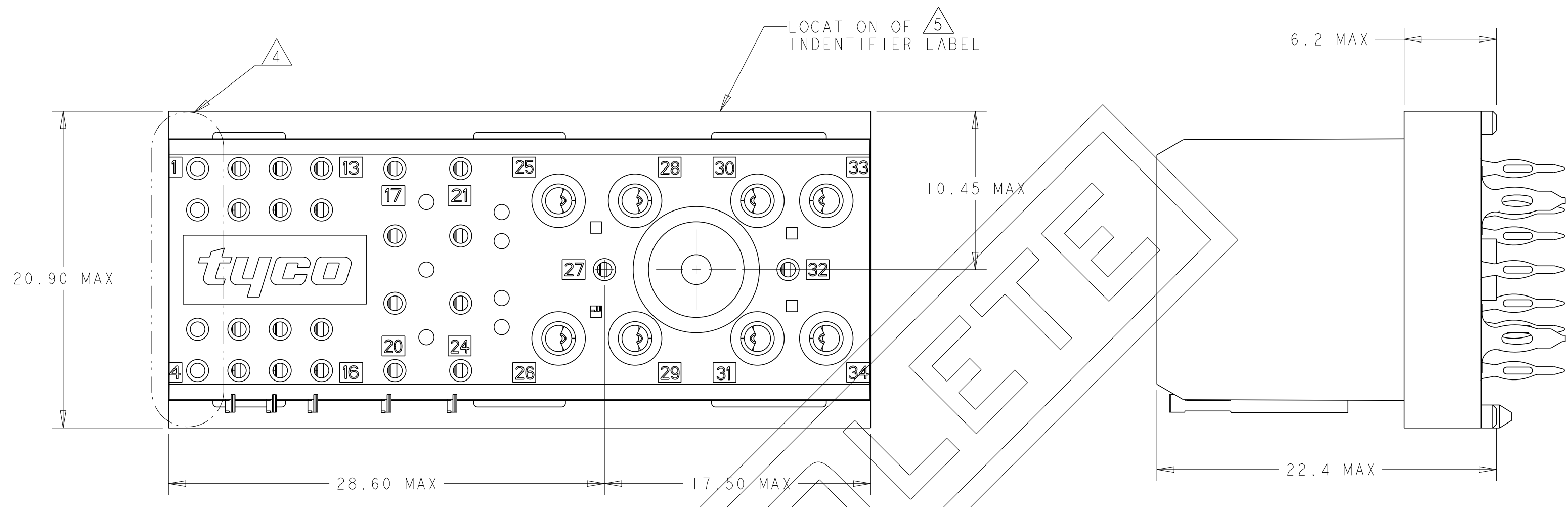


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LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			G1	REV PER ECR-22-125773	23JAN2022	CZ	SH



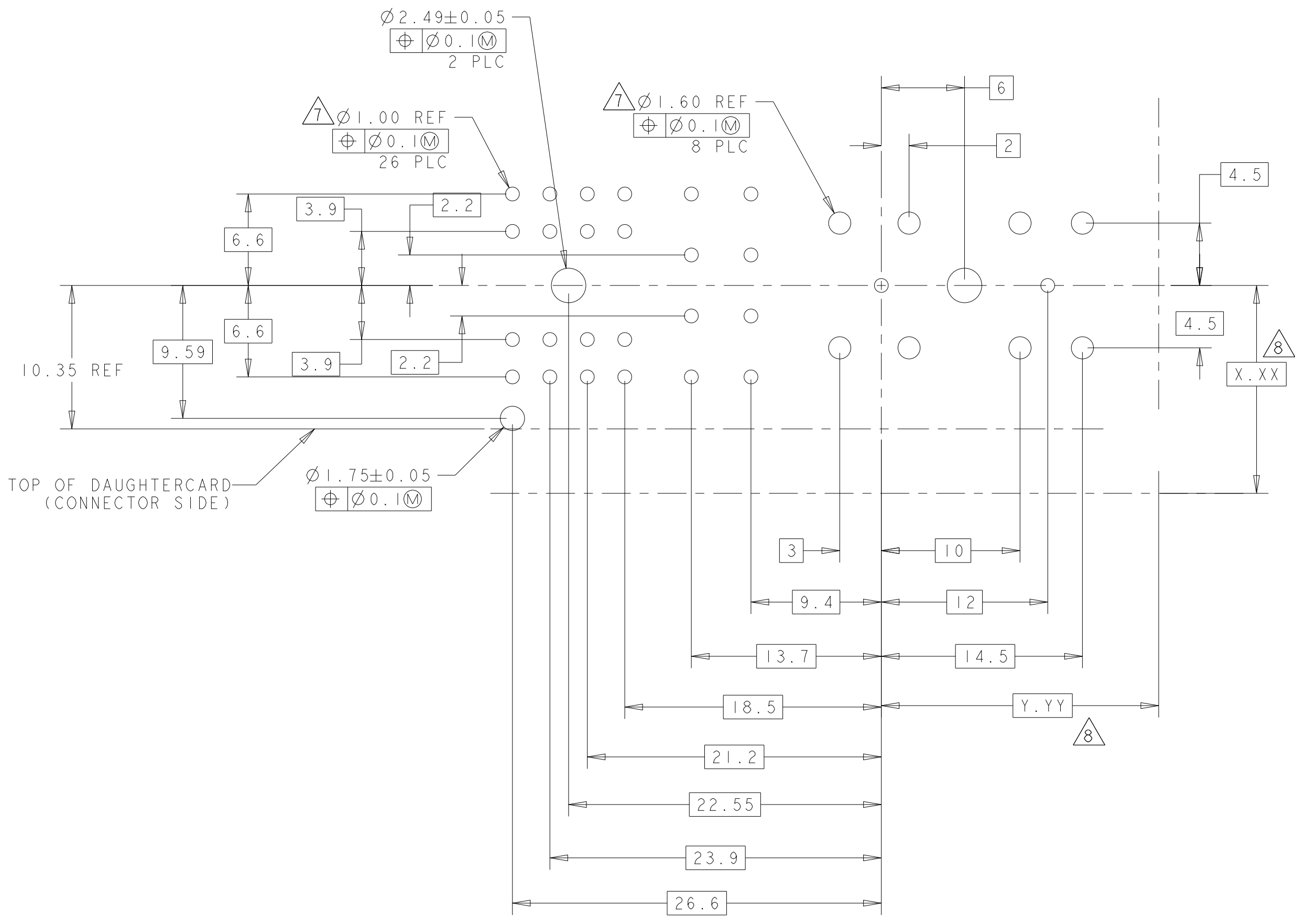
OBSOLETE

OBSOLETE	10 13	1766501-6
OBSOLETE	10 12	1766501-5
OBSOLETE	10 9	1766501-4
OBSOLETE	10 2	1766501-3
OBSOLETE	10 9	1766501-2
OBSOLETE	10 2	1766501-1
	FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	03JUN2005	
DIMENSIONS: mm		CHK	03JUN2005	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	03JUN2005	
0 PLC ±		TE Connectivity NAME CONNECTOR ASSEMBLY, VERTICAL, BACKPLANE, COMPLIANT PRESS FIT, ADVANCED TCA SIZE CAGE CODE DRAWING NO RESTRICTED TO A20779 C-1766501 SCALE 4:1 SHEET 1 OF 2 REV G1		
1 PLC ±				
2 PLC ±0.50				
3 PLC ±0.250				
4 PLC ±		PRODUCT SPEC 108-2216		
ANGLES ±		APPLICATION SPEC 114-13156		
FINISH		WEIGHT -		
MATERIAL		Customer Drawing		

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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, 1.27µm MIN THK  
 OVER NICKEL 1.27µm MIN THK.  
 SOLDER TAILS: TIN PLATED, 1.27µm MIN THK.  
 OVER NICKEL 1.27µm MIN THK.

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

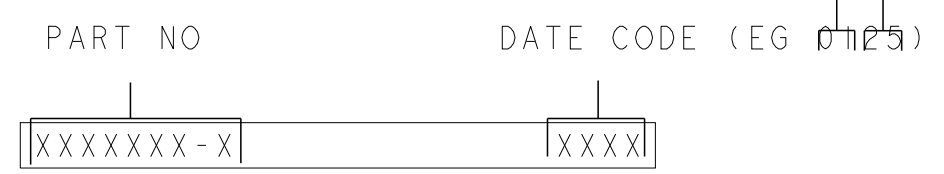
1 MATERIALS:  
 INSULATORS: THERMOPLASTIC, GLASS  
 REINFORCED, COLOR-GRAY, UL94V-0  
 FLAMMABILITY RATED.  
 SIGNAL PINS: COPPER ALLOY.  
 POWER CONTACTS: HIGH CONDUCTIVITY  
 COPPER ALLOY.

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

3 OPTIONAL MOUNTING SCREWS (Ø2.0mm 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	Ø1.60 Ø0.76

7 MANUFACTURING TOLERANCE FOR:  
 Ø1.60<sup>+0.09</sup><sub>-0.06</sub> FINISHED HOLE WITH Sn PLATING:  
 DRILLED HOLE = Ø1.75±0.025  
 COPPER PLATING = 0.025 MIN  
 Sn PLATING = 0.008 MIN  
 Ø1.00<sup>+0.09</sup><sub>-0.06</sub> FINISHED HOLE WITH Sn PLATING:  
 DRILLED HOLE = Ø1.15±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, 0.76µm MIN THK  
 OVER NICKEL 1.27µm MIN THK.  
 SOLDER TAILS: TIN-LEAD PLATED, 1.27µm MIN THK.  
 OVER NICKEL 1.27µm 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 03JUN2005	TE Connectivity															
DIMENSIONS: mm		CHK J. McCLELLAN 03JUN2005																
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 03JUN2005																
<table border="1"> <tr><td>0 PLC</td><td>±</td></tr> <tr><td>1 PLC</td><td>±</td></tr> <tr><td>2 PLC</td><td>±0.50</td></tr> <tr><td>3 PLC</td><td>±0.250</td></tr> <tr><td>4 PLC</td><td>±</td></tr> <tr><td>ANGLES</td><td>±</td></tr> <tr><td>FINISH</td><td>±</td></tr> </table>		0 PLC	±	1 PLC	±	2 PLC	±0.50	3 PLC	±0.250	4 PLC	±	ANGLES	±	FINISH	±	PRODUCT SPEC 108-2216	NAME CONNECTOR ASSEMBLY, VERTICAL, BACKPLANE, COMPLIANT PRESS FIT, ADVANCED TCA	
0 PLC	±																	
1 PLC	±																	
2 PLC	±0.50																	
3 PLC	±0.250																	
4 PLC	±																	
ANGLES	±																	
FINISH	±																	
MATERIAL		APPLICATION SPEC 114-13156	SIZE A200779	CAGE CODE C-1766501	DRAWING NO -	RESTRICTED TO -												
-		WEIGHT -	Customer Drawing		SCALE 4:1	SHEET 2 OF 2	REV G1											