

LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPD
		A	RELEASED PER ECO-08-025381	15OCT2008	RG PD
		B	REV PER ECO-10-004250	03MAR2010	RG MS

1. RECOMMENDED PRINTED CIRCUIT BOARD HOLE DIMENSIONS FOR COMPLIANT TAILS:
 FINISHED HOLE TIN PLATING: $\varnothing 0.56 \pm 0.05$
 FINISHED HOLE BARE COPPER: $\varnothing 0.575 \pm 0.05$
 DRILLED HOLE: $\varnothing 0.65 \pm 0.02$
 COPPER PLATING THICKNESS (MAX HARDNESS 150 KNOOP): 0.025-0.050
 TIN PLATING THICKNESS (MIN): 0.0038-0.0124
 ORGANIC SOLDERABILITY PRESERVATIVE (OSP): USE WITH BARE COPPER.

2. PC BOARD THICKNESS 1.6mm MINIMUM.

3. DAUGHTERCARD PC BOARD THICKNESS IS $1.6\text{mm} \pm 10\%$. DIMENSION FROM PCB EDGE TO PLATED PAD SAND OPTIONAL PCB EDGE CHAMFERS ARE BASED ON 2 OZ. MAX. THICK COPPER LAYERS TYPICAL FOR POWER APPLICATIONS AND 1mm PCB PROFILE CHAMFER TO PREVENT COPPER EDGE FROM ENGAGING BEFORE PCB SUBSTRATE MATERIAL.

4. 26.90mm TO \varnothing OF ADJACENT CROWN EDGE CONNECTOR.

5. MATERIAL: HOUSING AND OVERMOLDS: LCP, BLACK, UL94V-0 RATED
 CONTACTS: COPPER ALLOY.

6. FINISH: MATING AREA- 0.76 μm MIN. GOLD OVER 3.81 MICROMETER MIN. NICKEL PLATE.
 0.64 μm MIN. GOLD ON ADJACENT FLAT SIDES IN MATING AREA.
 COMPLIANT PIN AREA- 1.27 μm MIN. MATTE TIN PLATE OVER 1.27 μm MIN. NICKEL PLATE. MATING AREA AND ADJACENT FLAT SIDES LUBRICATED WITH BELLCORE APPROVED LUBRICANT. TECHNICAL REFERENCE GR-1217-CORE ISSUE 1, NOVEMBER 1995.

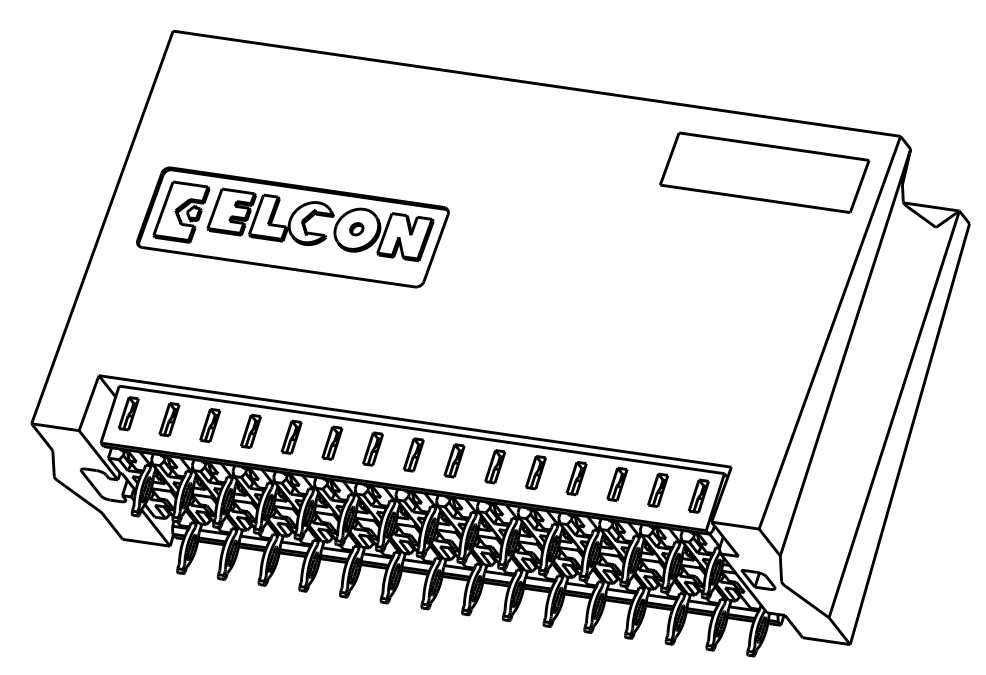
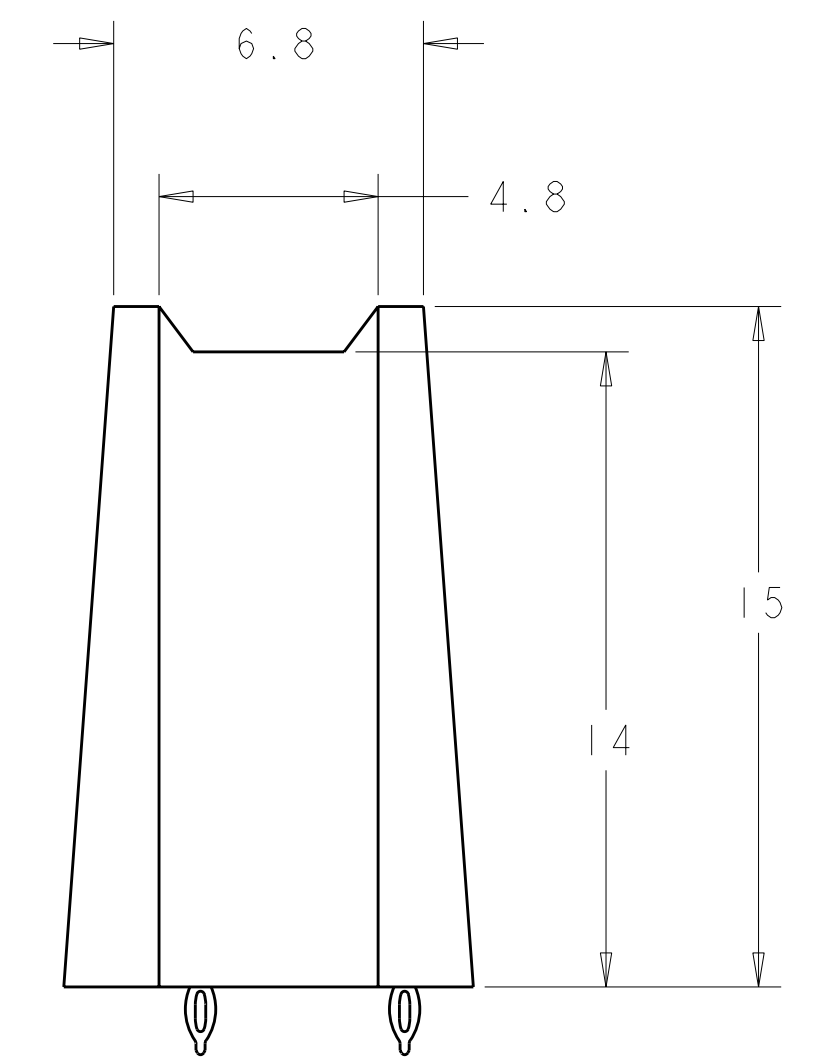
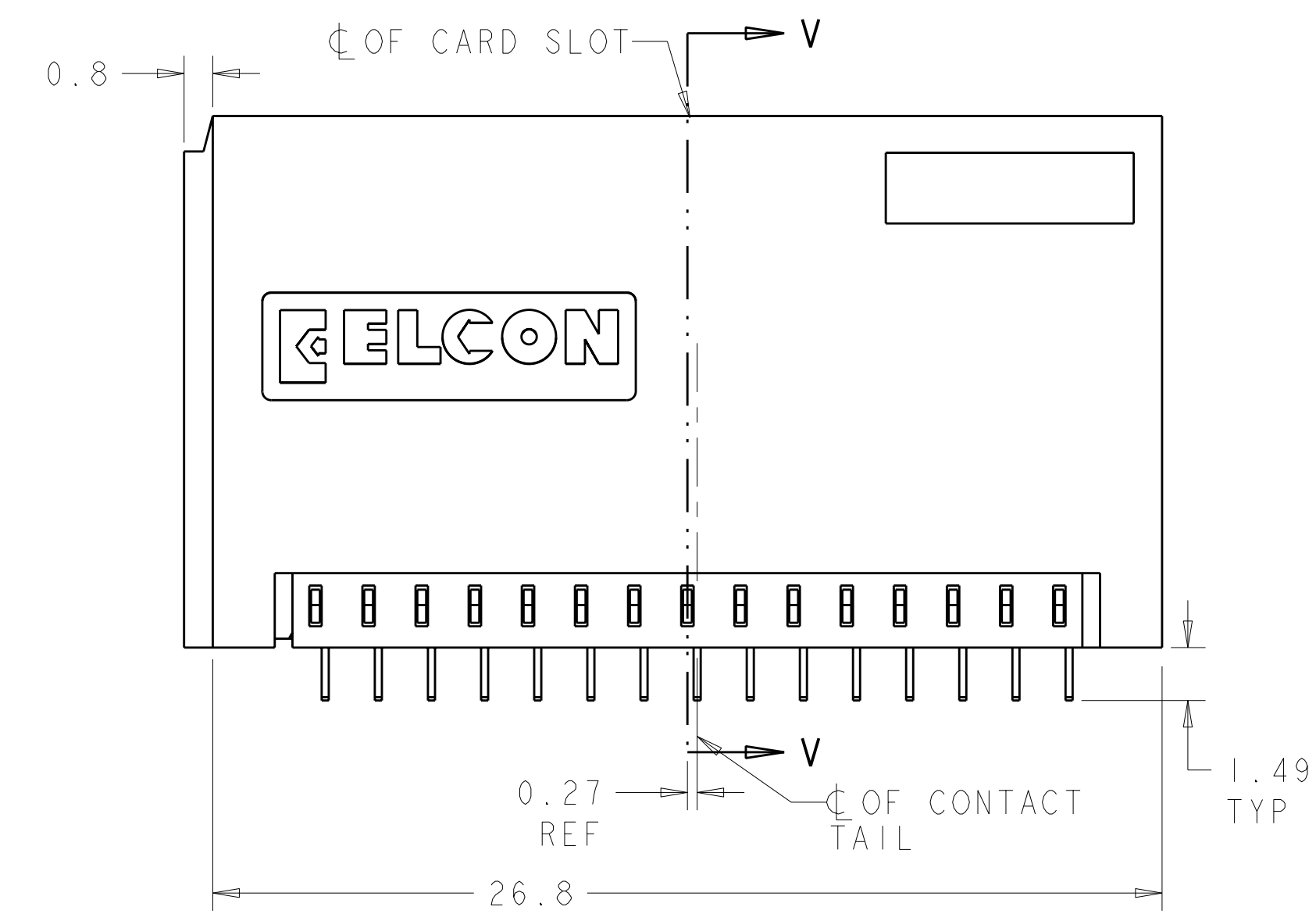
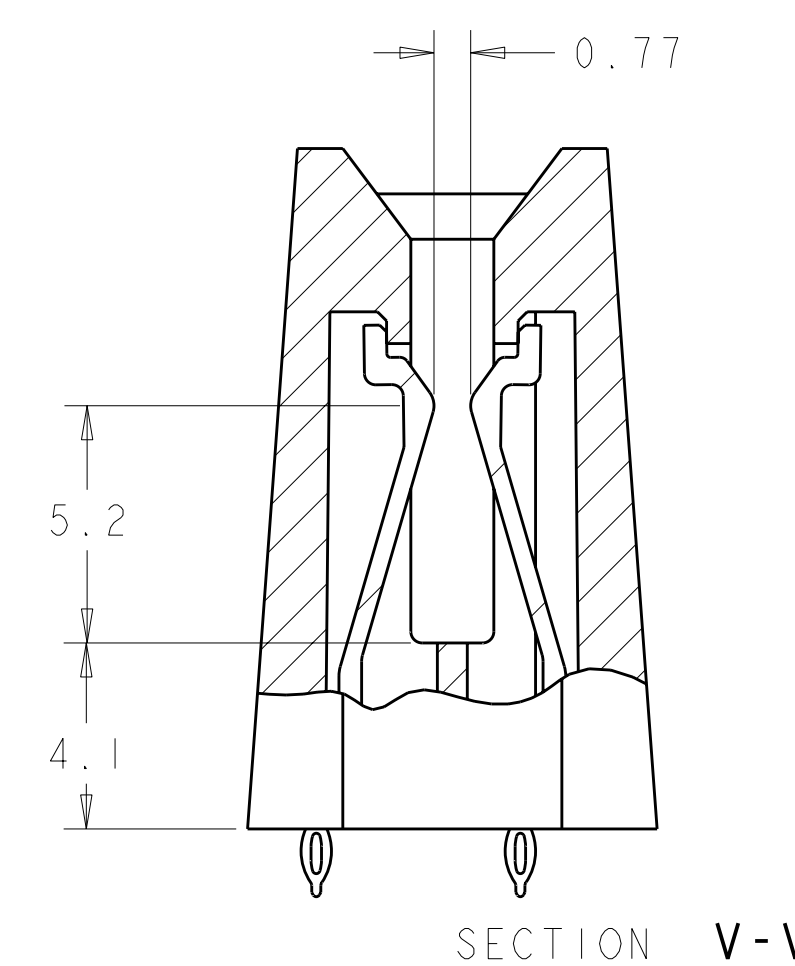
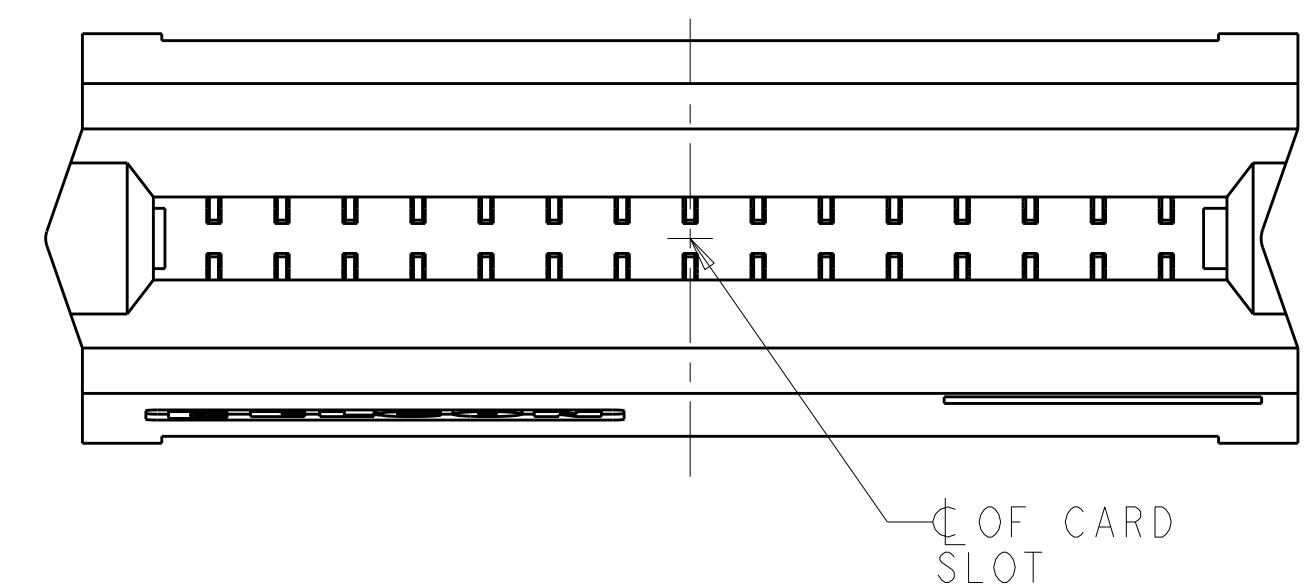
7. FINISH: MATING AREA- 1.27 μm MIN. GOLD OVER 3.81 μm MIN. NICKEL PLATE
 0.64 μm MIN. GOLD ON ADJACENT FLAT SIDES IN MATING AREA.
 COMPLIANT PIN AREA- 1.27 μm MIN. MATTE TIN PLATE OVER 1.27 μm MIN. NICKEL PLATE. MATING AREA AND ADJACENT FLAT SIDES LUBRICATED WITH BELLCORE APPROVED LUBRICANT. TECHNICAL REFERENCE GR-1217-CORE ISSUE 1, NOVEMBER 1995.

8. FINISH: MATING AREA- 0.76 μm MIN. GOLD OVER 1.27 μm MIN. NICKEL PLATE.
 0.076 μm MIN. GOLD ON ADJACENT FLAT SIDES IN MATING AREA.
 COMPLIANT PIN AREA- 1.27 μm MIN. MATTE TIN PLATE OVER 1.27 μm MIN. NICKEL PLATE. MATING AREA AND ADJACENT FLAT SIDES LUBRICATED WITH BELLCORE APPROVED LUBRICANT. TECHNICAL REFERENCE GR-1217-CORE ISSUE 1, NOVEMBER 1995.

9. 450 LBS MAXIMUM FORCE ALLOWED ON TOP OF HOUSING DURING APPLICATION TO PCB TO PREVENT HOUSING DAMAGE.

10. FINISH: MATING AREA- 2.54 μm MIN. GOLD OVER 3.81 μm MIN. NICKEL PLATE
 0.64 μm MIN. GOLD ON ADJACENT FLAT SIDES IN MATING AREA.
 COMPLIANT PIN AREA- 1.27 μm MIN. MATTE TIN PLATE OVER 1.27 μm MIN. NICKEL PLATE. MATING AREA AND ADJACENT FLAT SIDES LUBRICATED WITH BELLCORE APPROVED LUBRICANT. TECHNICAL REFERENCE GR-1217-CORE ISSUE 1, NOVEMBER 1995.

11. PREPRODUCTION, FASR REQUIRED



SCALE 4:1

REV	DESCRIPTION	DATE	BY	APPD
10				
6				
7				
8				

IBM PART NO	FINISH	PART NO
42R4709		1926088-2
		1926088-1

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MATERIAL:		FINISH:	
mm		9 PLC	± 0.25				
		1 PLC	± 0.25				
		2 PLC	± 0.13				
		3 PLC	± 0.08				
		4 PLC	± 0.08				
		ANGLES	$\pm 1^\circ$				

APPROVED	DATE	NAME	PRODUCT SPEC	APPLICATION SPEC	WEIGHT	CUSTOMER DRAWING
DM VAN SCOCC	06MAR2006	IBM				
CH N REESER	06MAR2006	N REESER				
APVD	06MAR2006	N REESER				

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A	100779	C-1926088	

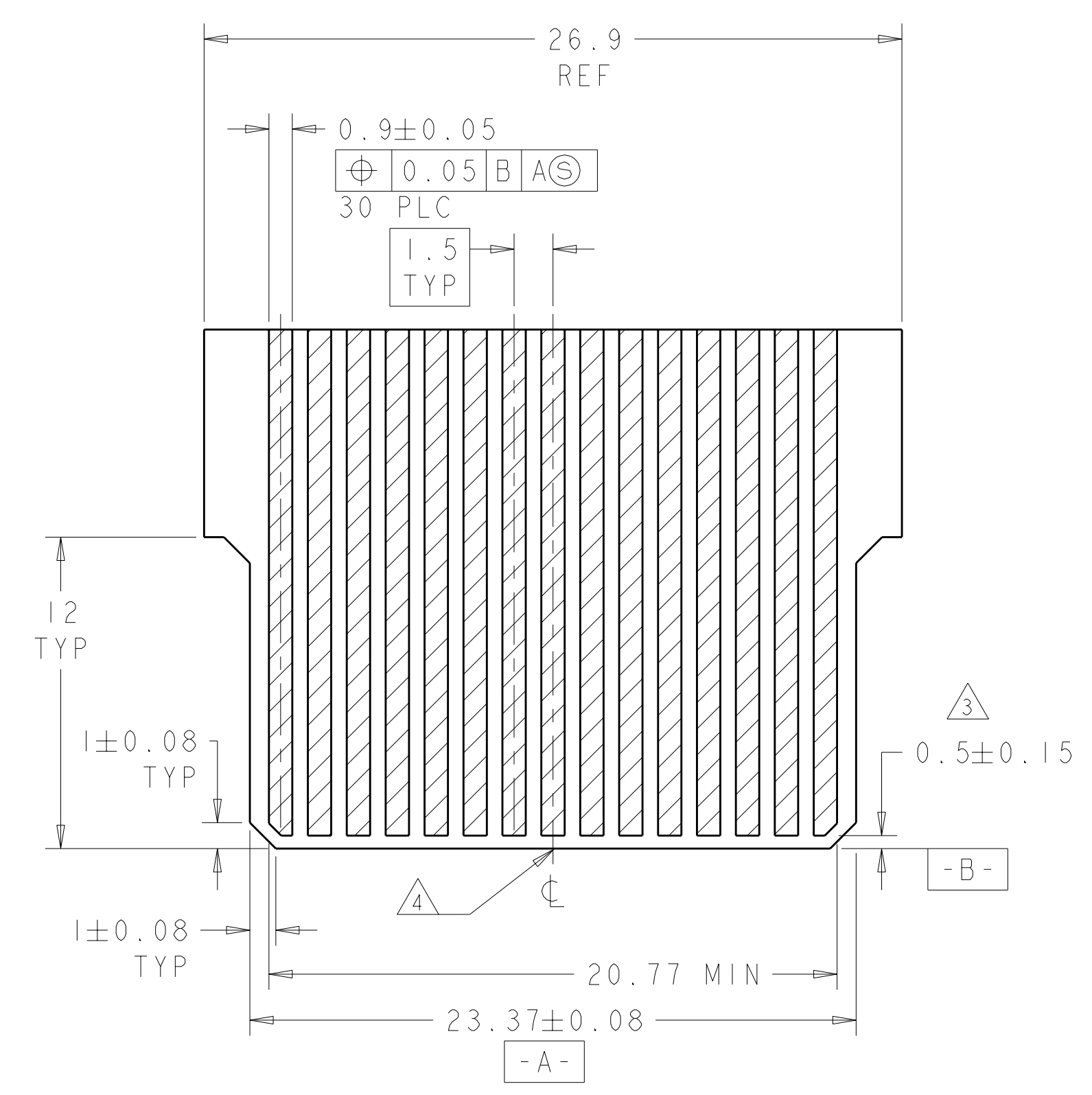
TYCO Electronics
 Harrisburg, PA 17105-3608

ASSEMBLY, CROWN EDGE, VERTICAL CARD EDGE, 30 SIGNAL POSITION

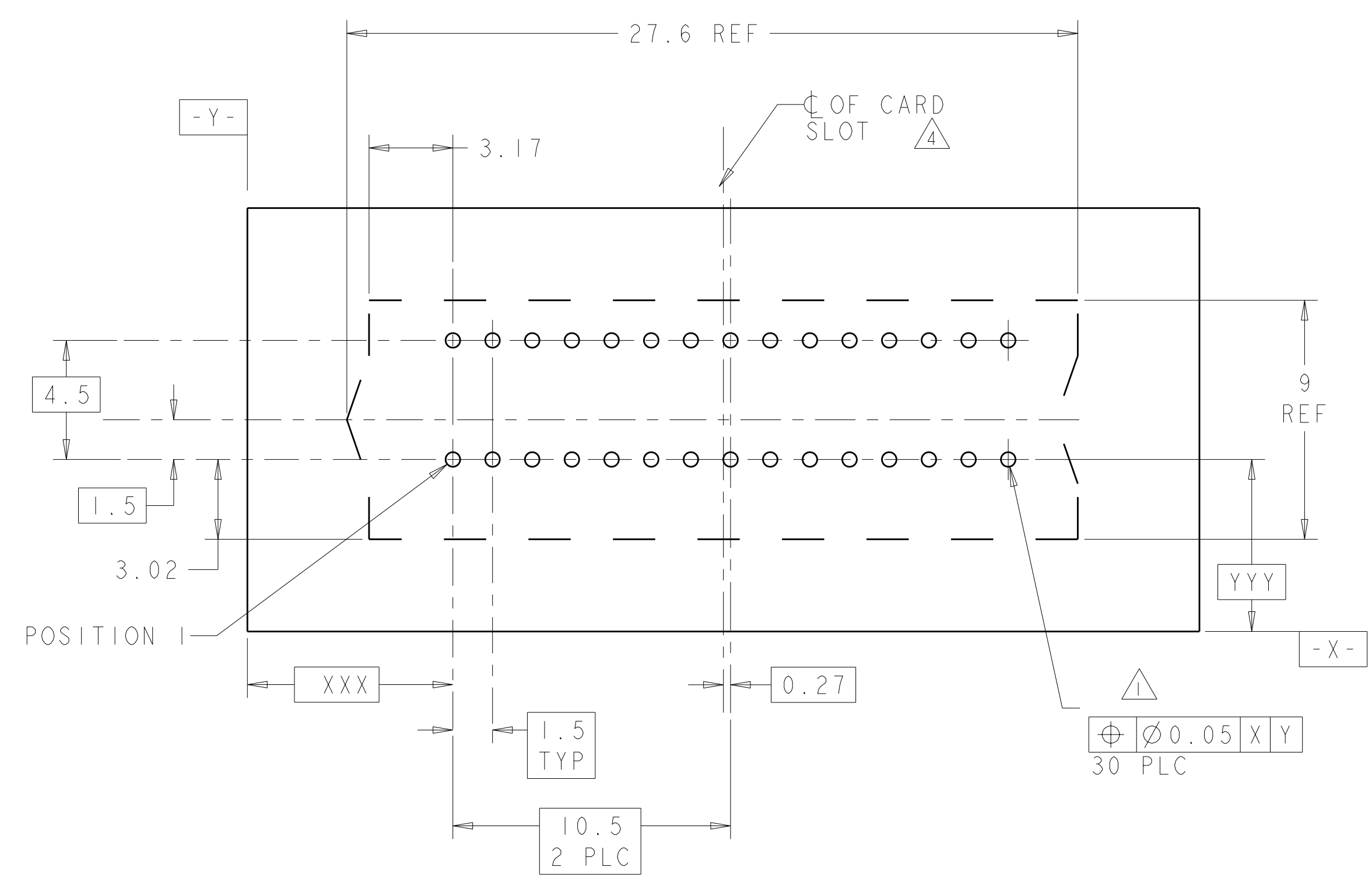
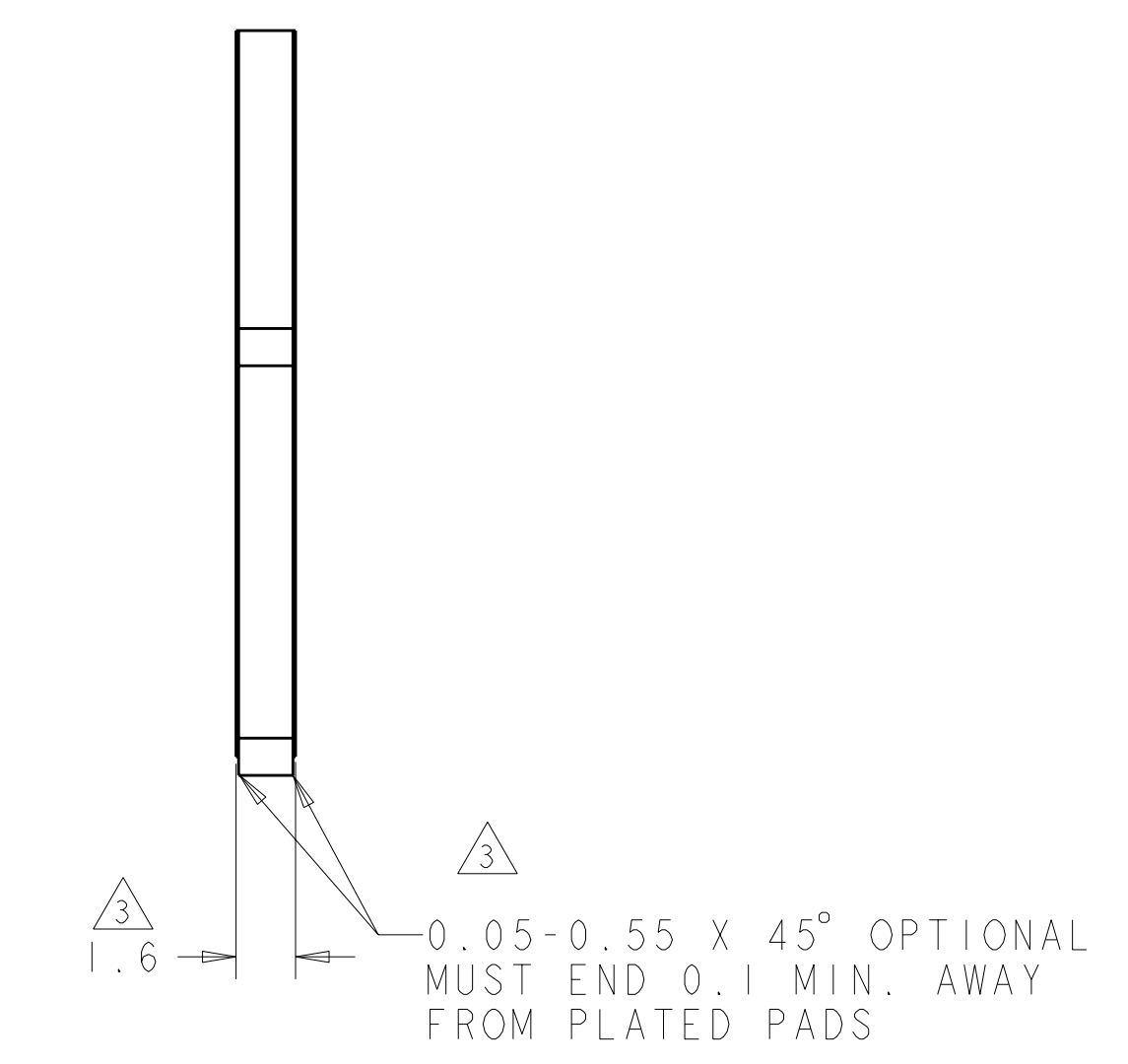
SCALE 3:1 SHEET 1 OF 2 REV B

LOC	DIST	REV	DATE	BY	APPD
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



DOUBLE SIDED PCB DAUGHTERCARD



PCB BOARD LAYOUT COMPONENT SIDE SHOWN

<small>THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION. IT IS SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT OBLIGATION. TOLERANCES UNLESS OTHERWISE SPECIFIED:</small>		DWN: 06MAR2006 CHK: WM VAN SCOCC APVD: N REESER DATE: 06MAR2006	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.13 3 PLC ±0.08 4 PLC ± ANGLES ±1°	NAME: ASSEMBLY, CROWN EDGE, VERTICAL CARD EDGE, 30 SIGNAL POSITION PRODUCT SPEC: APPLICATION SPEC:	SIZE: A CAGE CODE: 100779 DRAWING NO: C=1926088 RESTRICTED TO:
MATERIAL:	FINISH:	WEIGHT:	CUSTOMER DRAWING
SCALE: 3:1		SHEET: 2 OF 2	REV: B