

REVISIONS				
P	LTN	DESCRIPTION	DATE	OWN APVD
B		REV PER ECO 21-003080	3-23-21	CT DH

- 1 HOUSING: LCP, UL94V0, COLOR: BLACK.
CONTACT: PHOSPHOR BRONZE.
POST: BRASS WIRE
- 2 PLATED THROUGH HOLE PER TE SPEC 114-13056, FIGURE 4 OR 114-163004, FIGURE 10
- 3 PLATED THRU HOLE SPECIFICATION:
DRILLED HOLE: $\varnothing 0.40 \pm 0.02$
0.025-0.050 THICK COPPER PLATING (MAX HARDNESS 150 KNOOP)
FINISH OPTIONS:
0.0038-0.0124 HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (SnPb)
0.0005-0.004 IMMERSION TIN (Sn)
0.0002-0.0005 ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
0.0001-0.0005 IMMERSION SILVER (Ag)
0.0001-0.0005 IMMERSION GOLD OVER 0.00127-0.0076 NICKEL (ENIG)
FINISH HOLE DIAMETER AFTER PLATING = $\varnothing 0.31$ REF
- 4 CONTACT: 1.27 μ m MIN GOLD IN PAD CONTACT AREA
1.27 μ m MIN TIN-LEAD (93/7) ON PCB TAIL
OVER 1.27 μ m MIN NICKEL OVER ALL.
POST 1.27 μ m MIN NICKEL PLATED.
- 5 SEE TABLE 1 FOR INTERCONNECTIONS TO BACKPLANE CONNECTOR.
- 6 CONTACT: 1.27 μ m MIN GOLD IN PAD CONTACT AREA,
1.27 μ m MIN TIN ON PCB TAIL OVER 1.27 μ m MIN.
NICKEL OVER ALL.
POST: 1.27 μ m MIN NICKEL PLATED.
- 7 CONTACT: 1.27 μ m MIN GOLD IN PAD CONTACT AREA
1.27 μ m MIN TIN-LEAD (60/40) ON PCB TAIL
OVER 1.27 μ m MIN NICKEL OVER ALL.
POST 1.27 μ m MIN NICKEL PLATED.

TABLE 1
INTERCONNECTIONS WITH BACKPLANE CONNECTOR
2302791 OR 2302792

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 7, 9, 11, 13, 15		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	ax	ax
	bx	bx
SIGNAL PAIR	dx	ex
	ex	fx
SIGNAL	gx	ix
GROUNDS	cx, fx, (ALL COMMONED)	cx, dx, gx, hx

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 8, 10, 12, 14, 16		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	bx	cx
	cx	dx
SIGNAL PAIR	ex	gx
	fx	hx
GROUNDS	ax, dx, gx (ALL COMMONED)	ax, bx, ex, fx, ix

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 4, 5, 6		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL	ax	bx
SIGNAL	bx	cx
SIGNAL	dx	ex
SIGNAL	fx	gx
SIGNAL	gx	hx
GROUNDS	cx, ex (ALL COMMONED)	ax, dx, fx, ix

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 2, 3		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
POWER	ax, bx, cx	ax, bx, cx, dx
POWER	ex, fx, gx	fx, gx, hx, ix
NOT CONNECTED	dx	ex

NOTE: "x" DESIGNATES THE COLUMN NUMBER

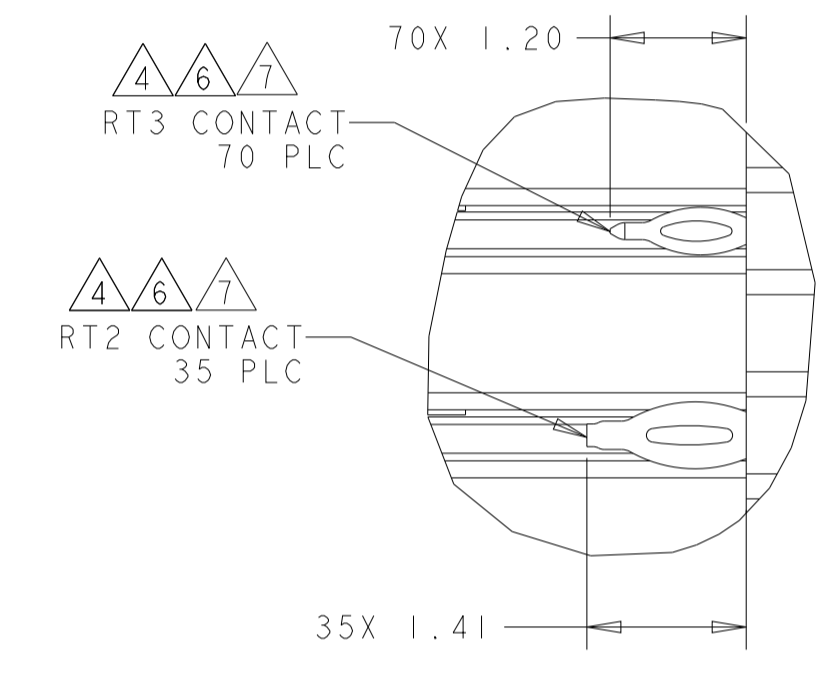
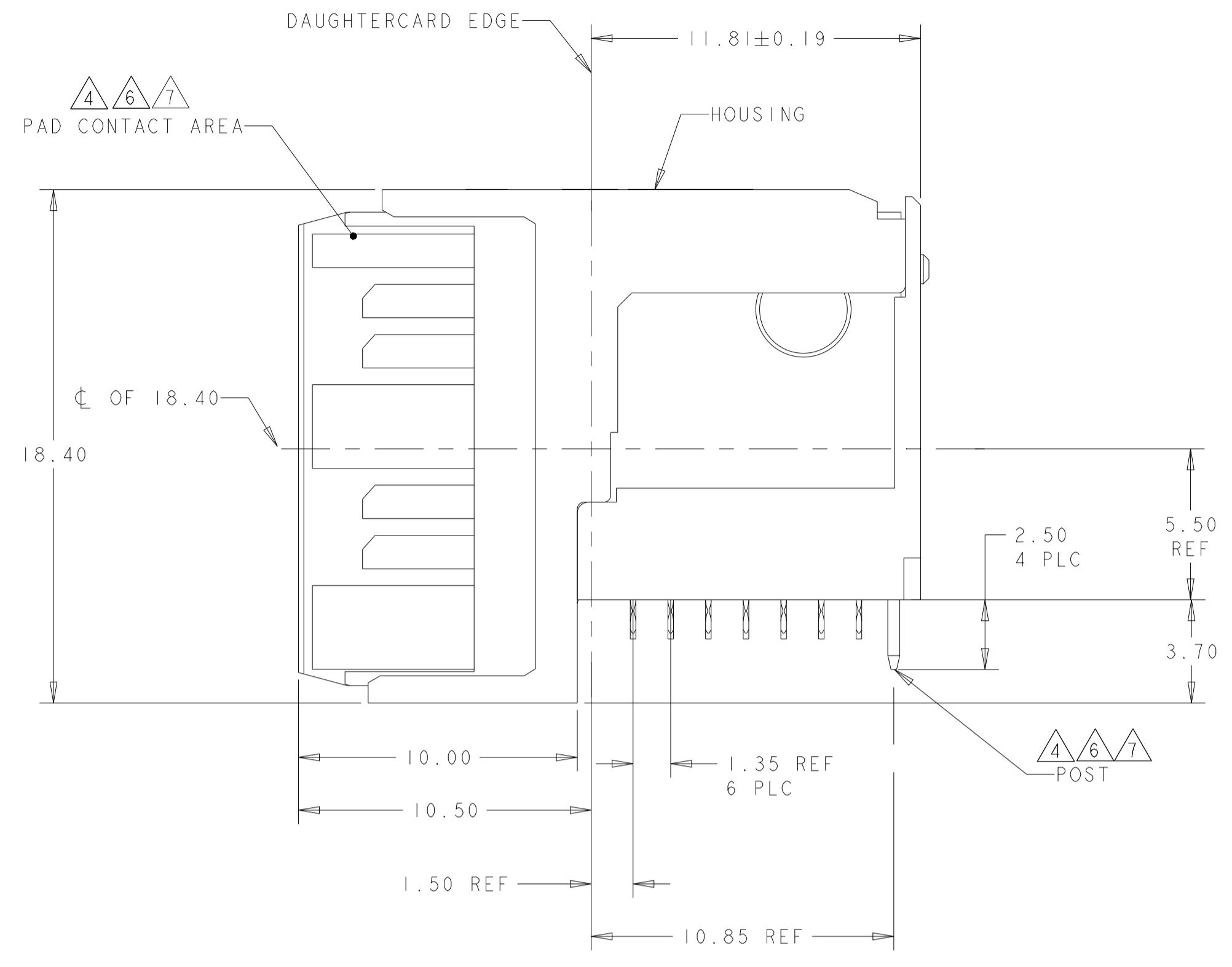
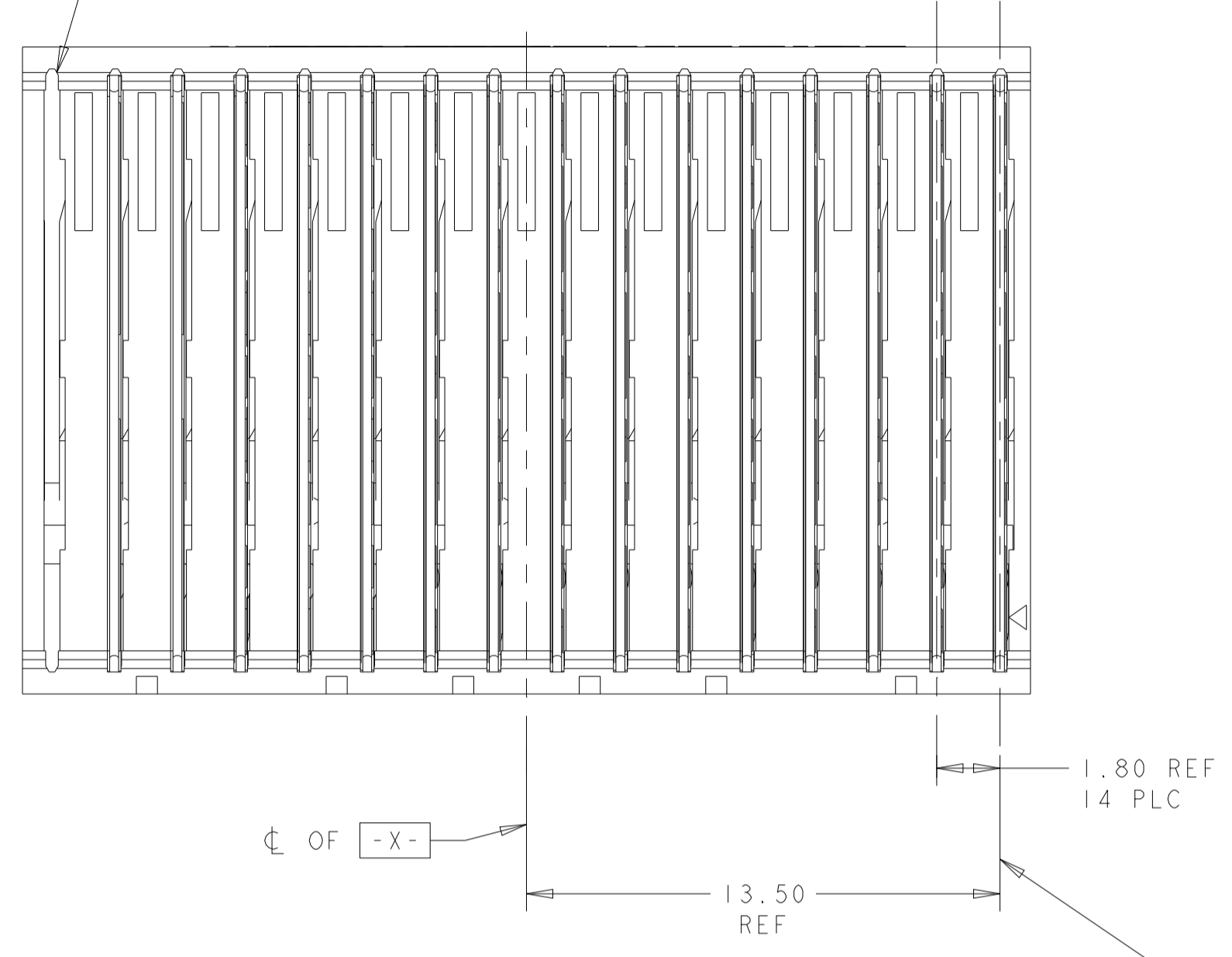
JURISDICTION	EAR
CLASSIFICATION	EAR99
DATE OF MARKING	19FEB2022
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7	2302794-3
6	2302794-2
4	2302794-1
PLATING	PART NO

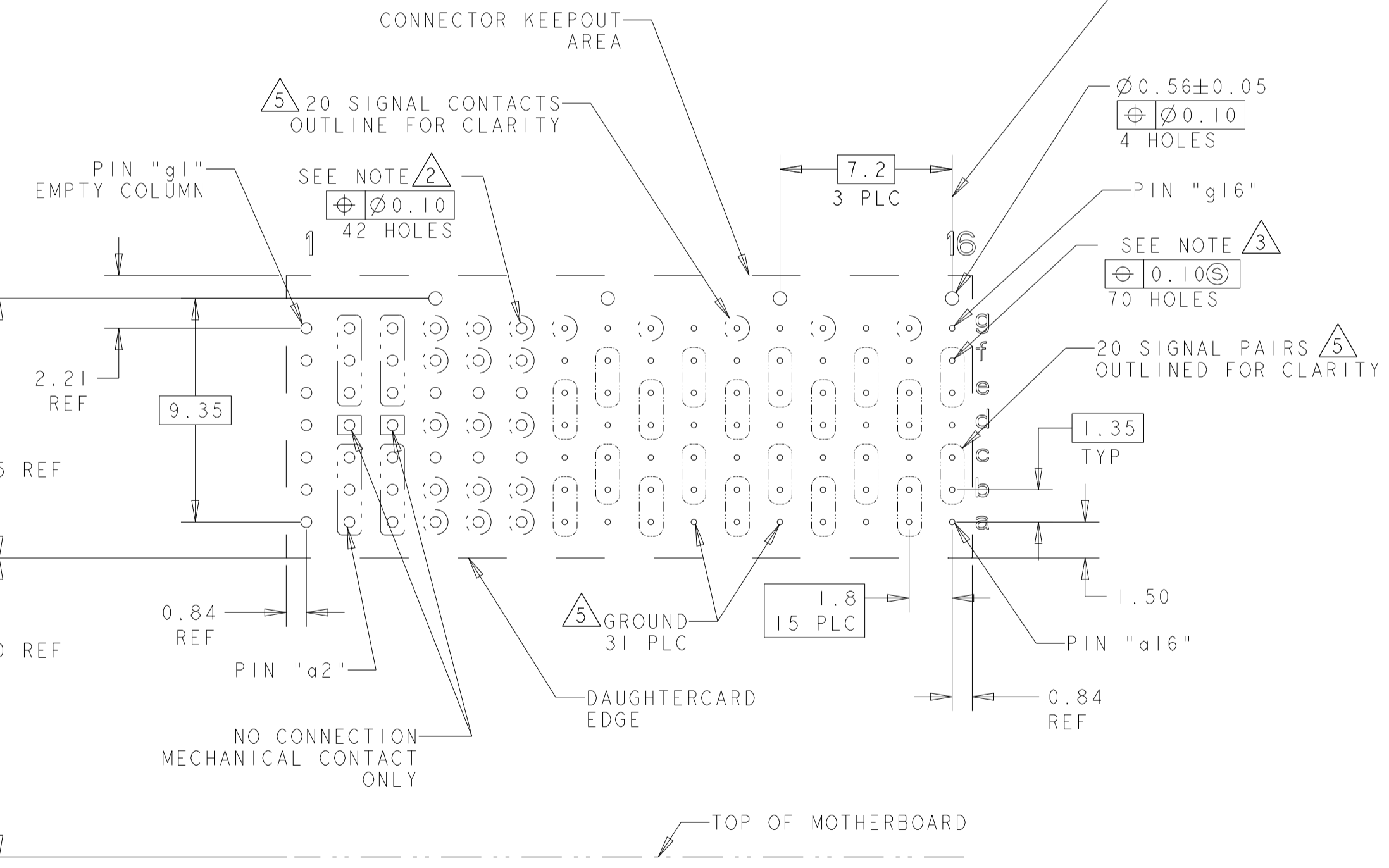
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. MILLER 10JUL2017	TE Connectivity	
DIMENSIONS:		CHK A. ISANG 10JUL2017		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD A. ISANG 10JUL2017		
mm	0 PLC ±	PRODUCT SPEC	NAME RIGHT-ANGLE PLUG ASSY, RTM, CENTER, DIFFERENTIAL, SINGLE-ENDED AND POWER VPX, MULTIGIG RT 3	
	1 PLC ±0.5	108-2072-3	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
	2 PLC ±0.13	APPLICATION SPEC	A100779C=2302794	
	3 PLC ±	114-163004	SCALE 6:1 SHEET 1 OF 2 REV B	
	4 PLC ±	WEIGHT 9.98g		
	ANGLES ±°	CUSTOMER DRAWING		
	FINISH			
MATERIAL	SEE TABLE			

REVISIONS				
P	LTN	DESCRIPTION	DATE	APVD
-	-	SEE SHEET #1	-	-

NO WAFER LOADED IN THIS COLUMN



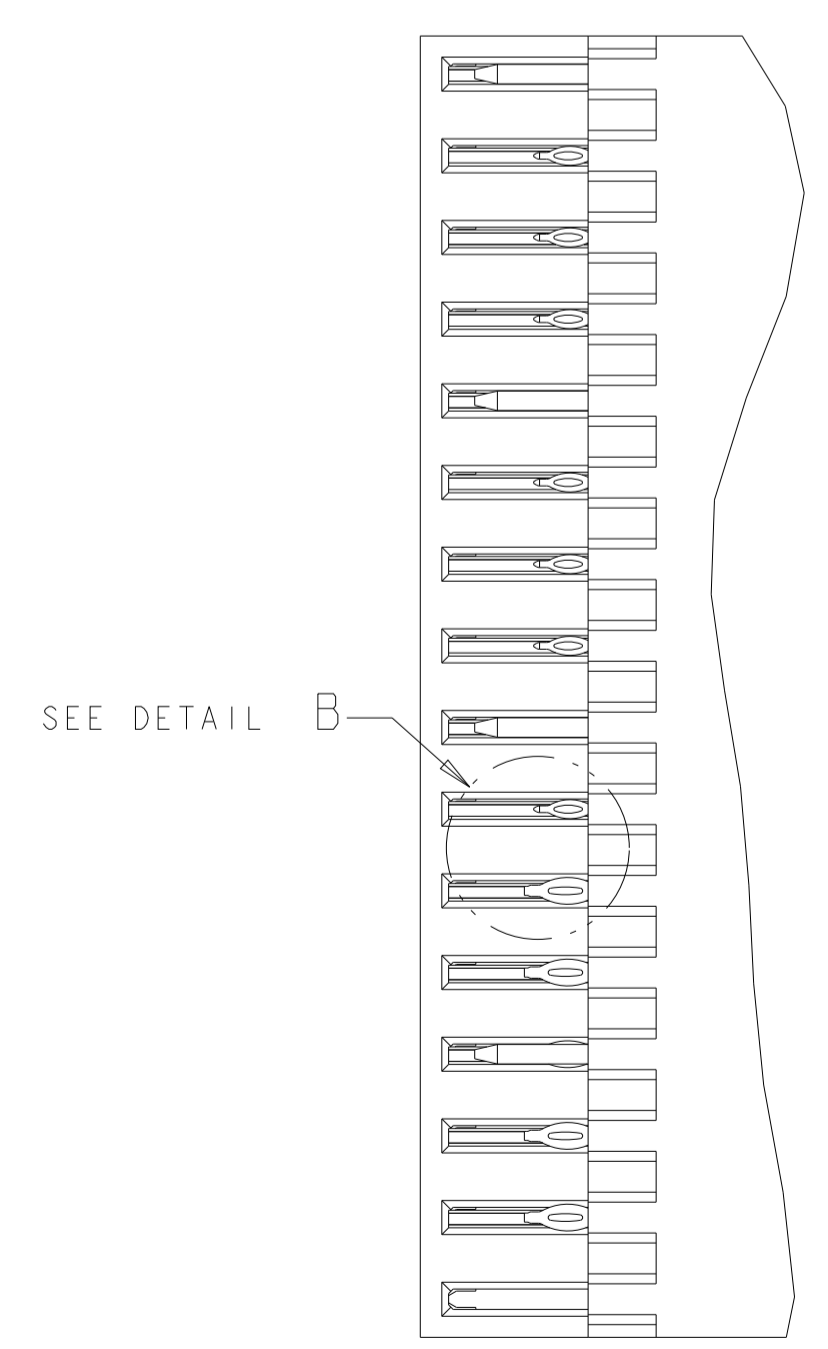
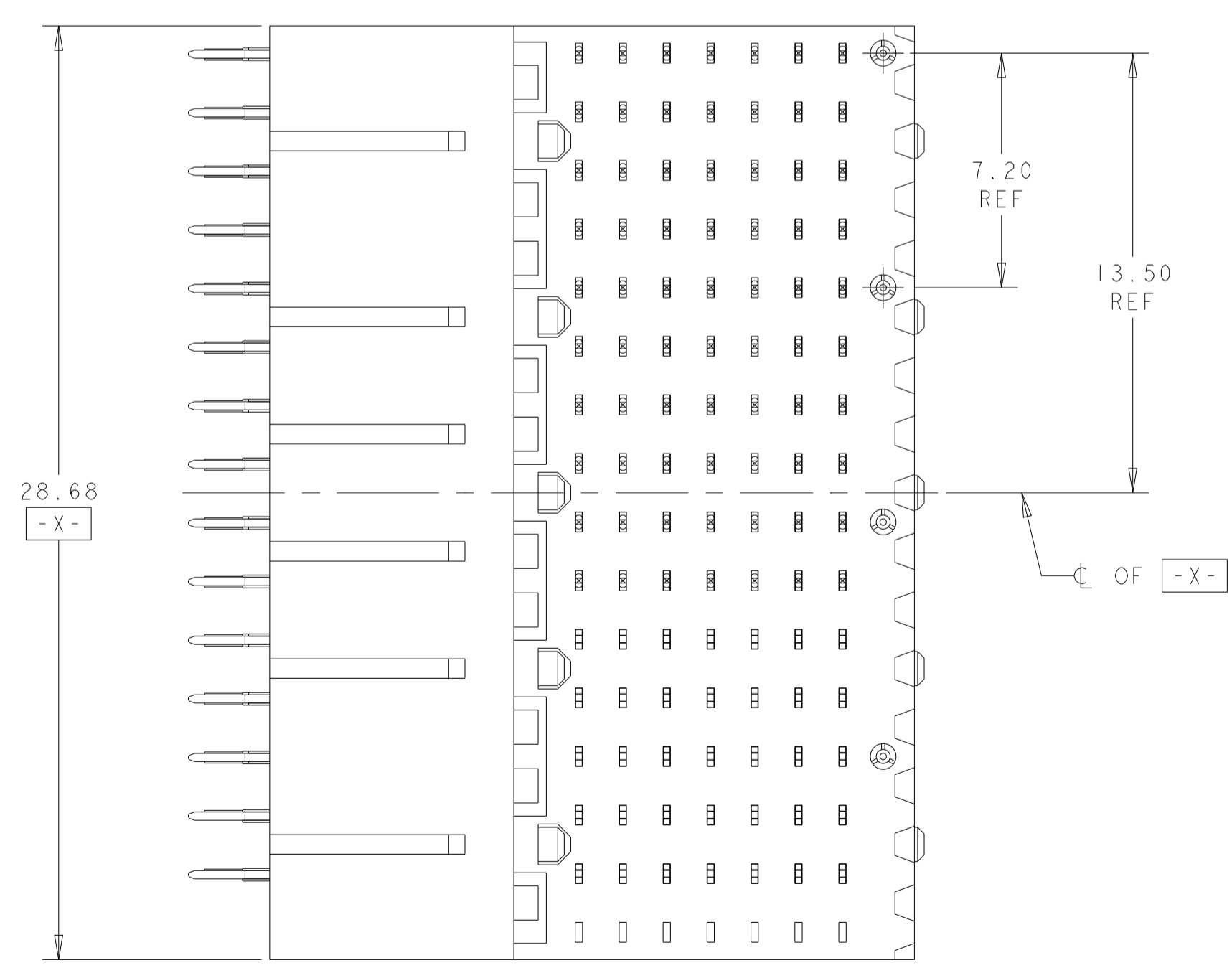
DETAIL B
SCALE 15:1



PC BOARD LAYOUT
(CONNECTOR SIDE)
SCALE 5:1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3

2 = RT2 CONTACT (SEE NOTE 2)
3 = RT3 CONTACT (SEE NOTE 3)
N = NO CONTACT
P = POST



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN A. MILLER 10JUL2017	NAME RIGHT-ANGLE PLUG ASSY, RTM, CENTER, DIFFERENTIAL, SINGLE-ENDED AND POWER VPX, MULTIGIG RT 3
DIMENSIONS: mm		CHK A. TSANG 10JUL2017	RESTRICTED TO
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.13 4 PLC ±0.13 ANGLES ±1°		APVD A. TSANG A. TSANG	SIZE 114-163004
MATERIAL SEE TABLE		PRODUCT SPEC 108-2072-3	SCALE 6:1
WEIGHT 9.98g		APPLICATION SPEC 114-163004	SHEET 2 OF 2
CUSTOMER DRAWING		DRAWING NO. A100779C=2302794	REV B