

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

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
GROUND	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
GROUND	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
GROUND	cx,ex (ALL COMMONED)	ax,dx,fx,ix

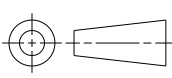
TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 2, 3		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
POWER	ax,bx,cx	ax,bx,cx,dx
POWER	ex,fx,gx	fx,gx,hx,ix
NOT CONNECTED	dx	ex

NOTE: "x" DESIGNATES THE COLUMN NUMBER

- 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.

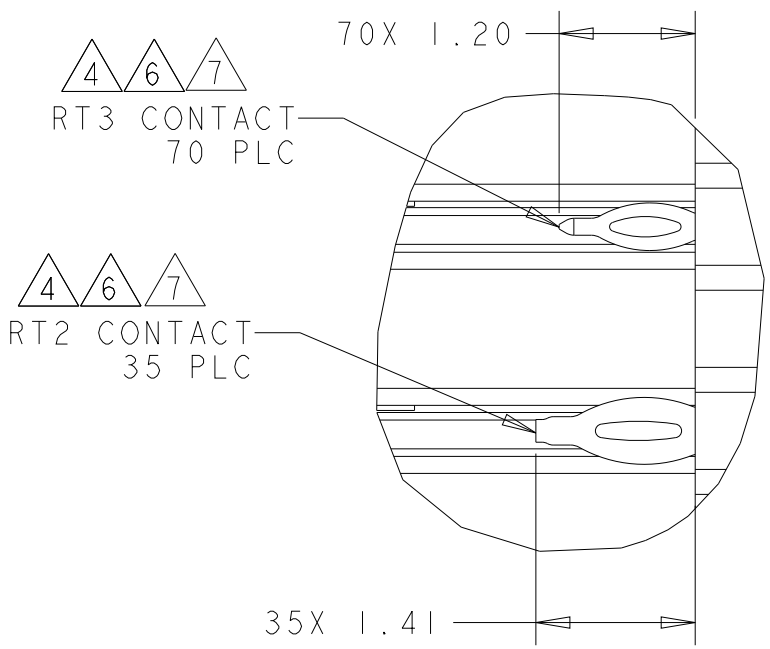
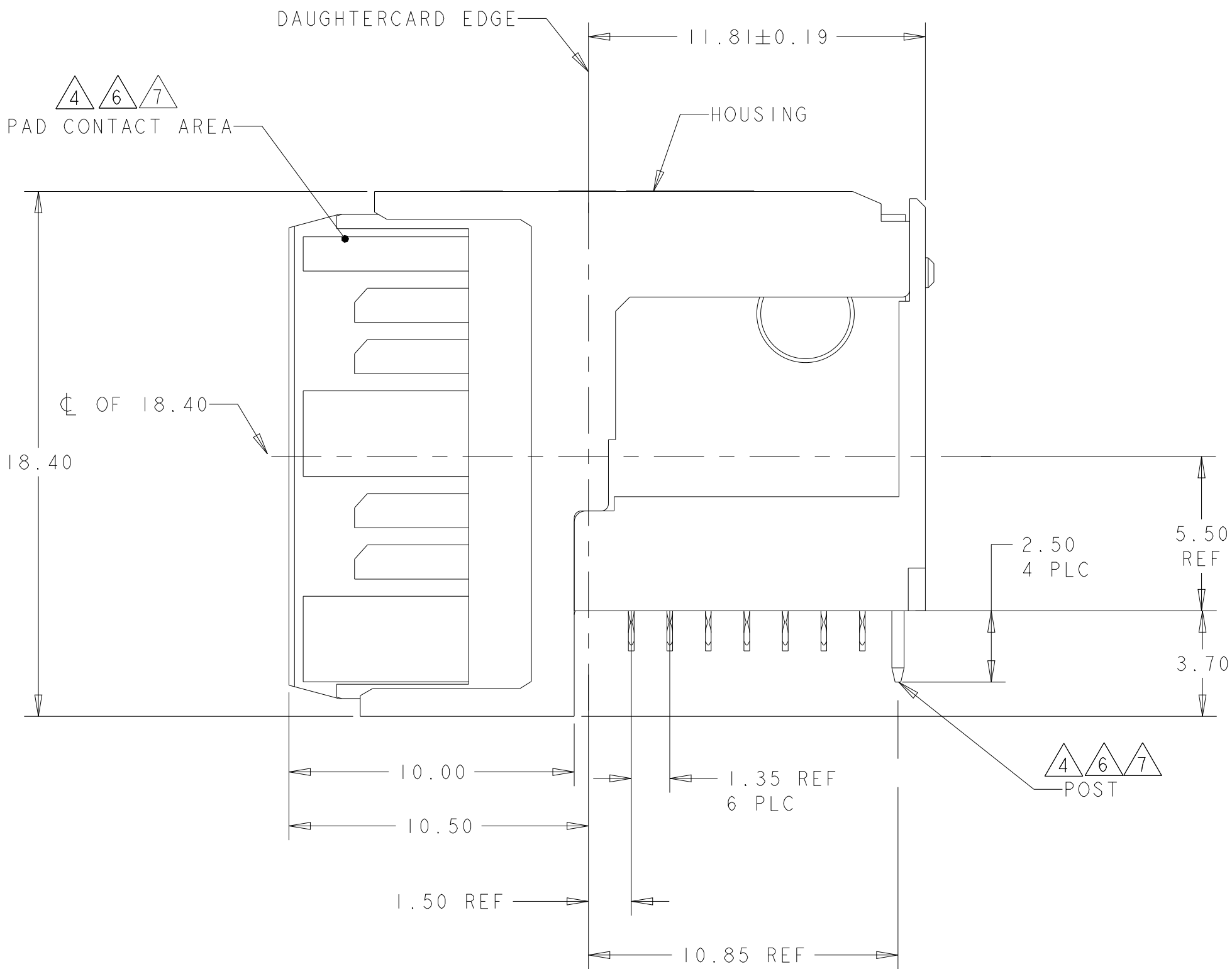
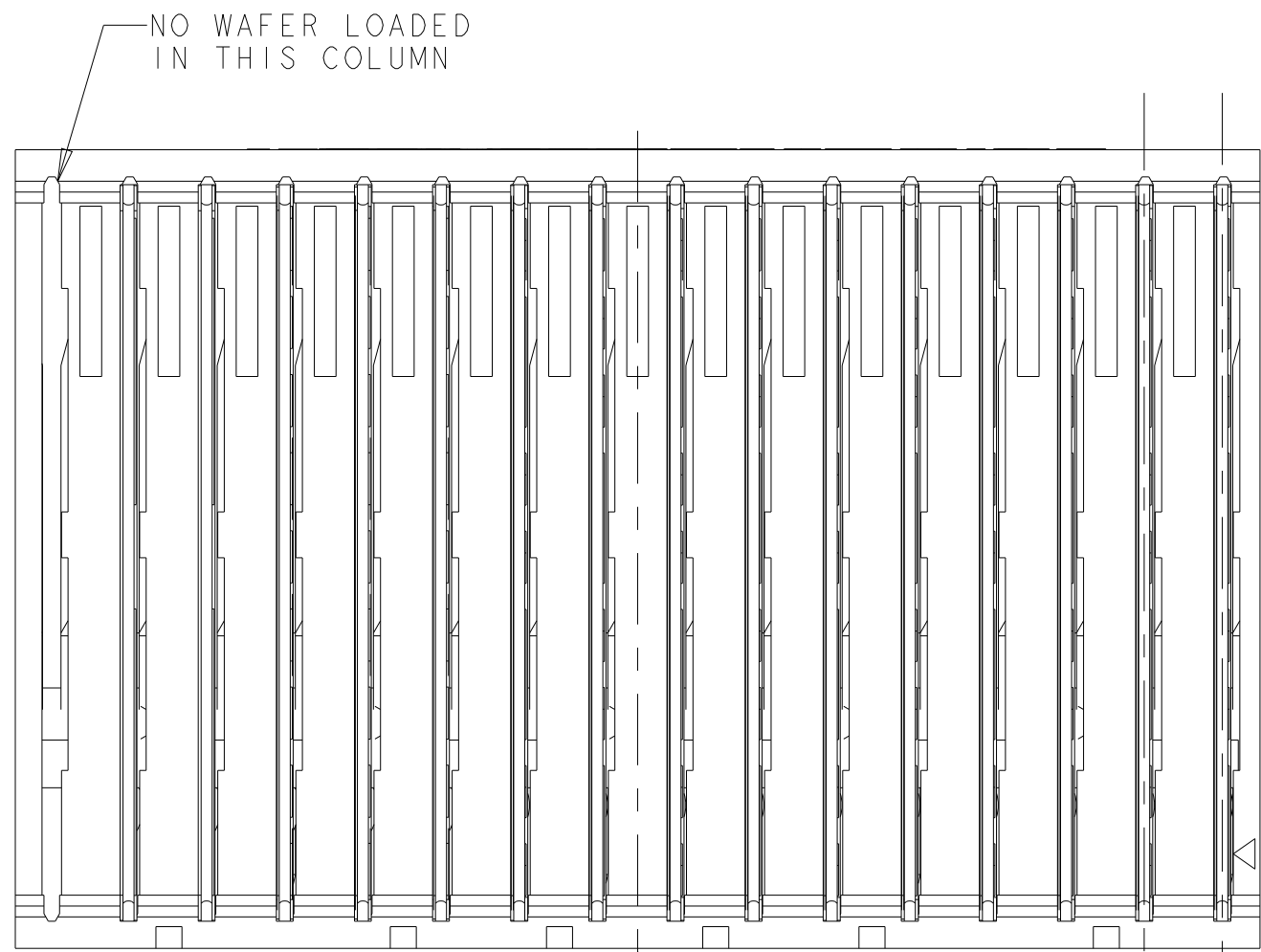
JURISDICTION	EAR
CLASSIFICATION	EAR99
DATE OF MARKING	19FEB2022
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	2302794-3
	2302794-2
	2302794-1
PLATING	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN R. MILLER 10JUL2017	 TE Connectivity		
			CHK A. ISANG 10JUL2017			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD A. ISANG 10JUL2017	NAME RIGHT-ANGLE PLUG ASSY, RTM, CENTER, DIFFERENTIAL, SINGLE-ENDED AND POWER VPX, MULTIGIG RT 3	
mm		0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ± 4 PLC ± ANGLES ±1°0'		PRODUCT SPEC		
				108-2072-3		
				APPLICATION SPEC	SIZE CASE CODE DRAWING NO	
MATERIAL		114-163004		114-163004	RESTRICTED TO	
		WEIGHT 9.98g		A100779	C=2302794	
SEE TABLE		CUSTOMER DRAWING		SCALE 6:1		SHEET 1 OF 2
				REV B		

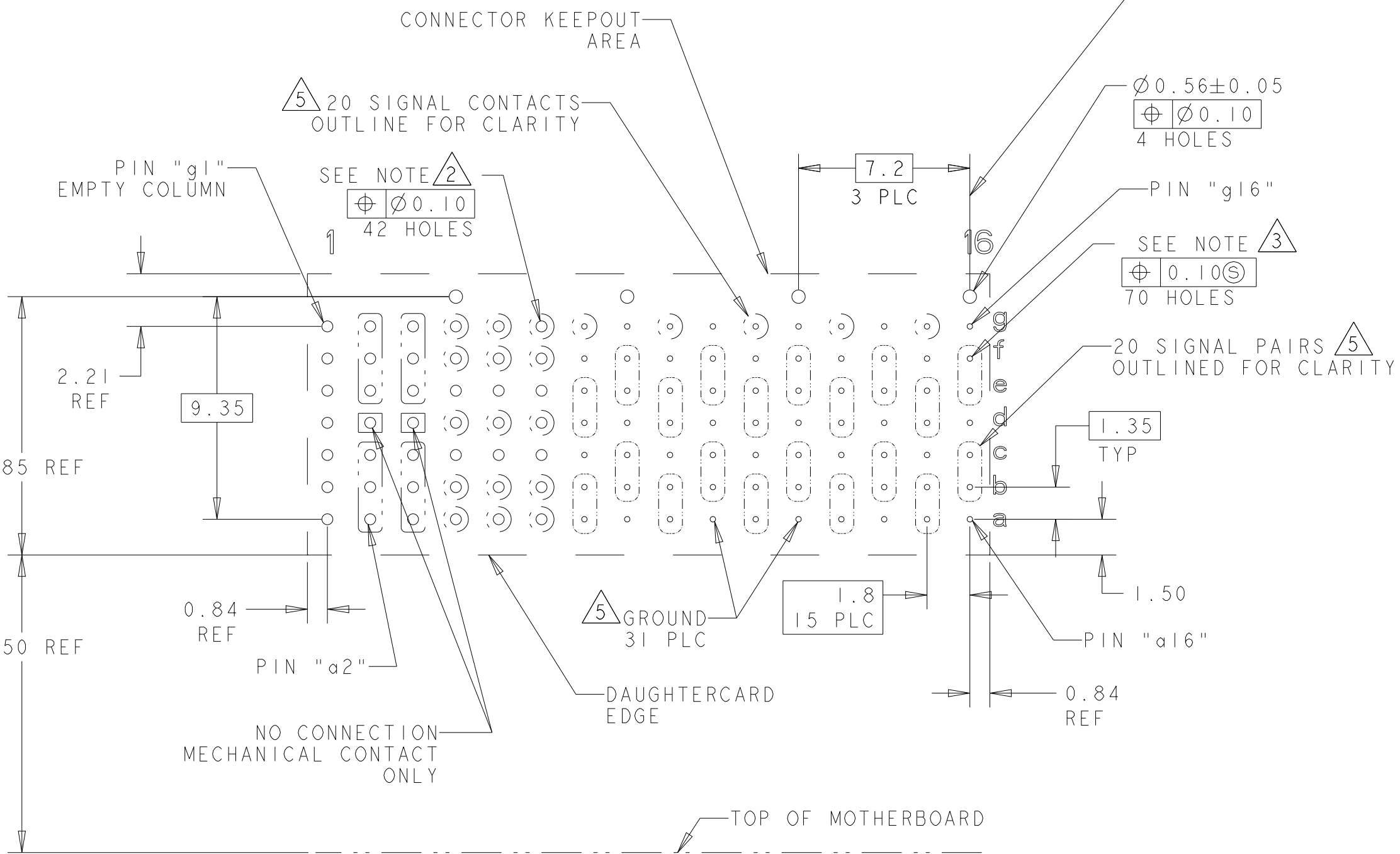
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET #1	-	-	-

D



DETAIL B
SCALE 15:1

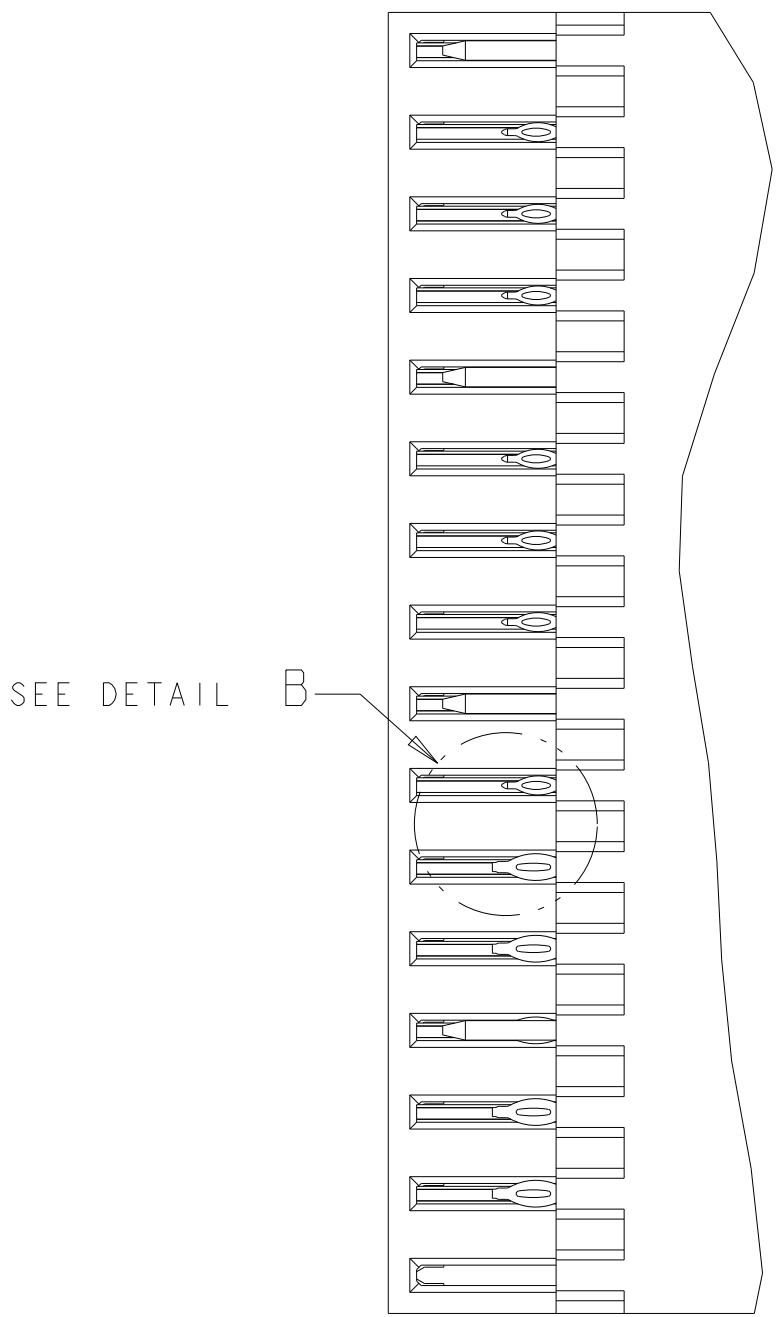
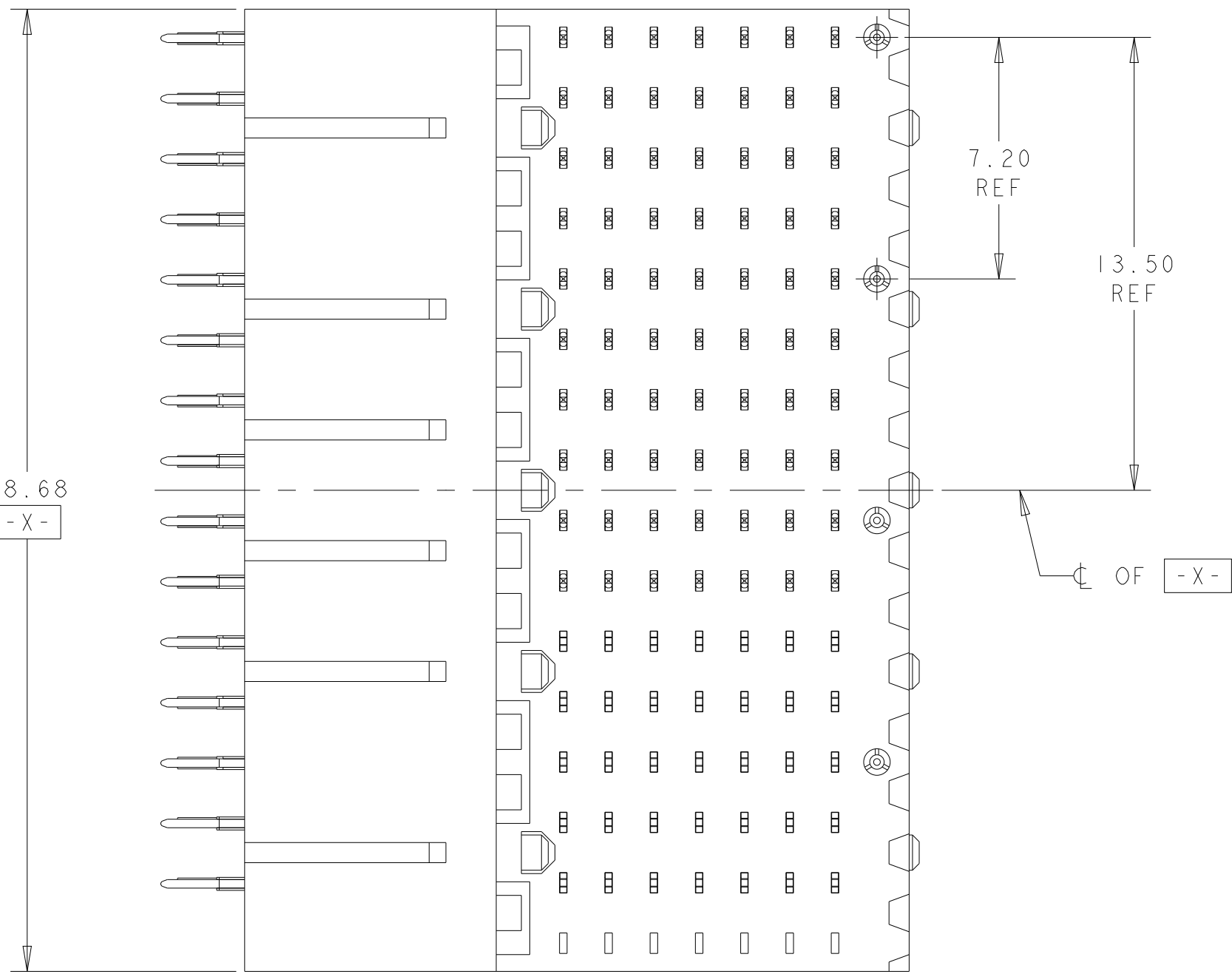
C



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	g
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	f
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	e
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	d
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	c
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	b
N	2	2	2	2	2	3	3	3	3	3	3	3	3	3	a

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



A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. MILLER 10JUL2017	TE Connectivity		
DIMENSIONS: mm		CHK A. TSANG 10JUL2017			
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.5 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±. 4 PLC ±. ANGLES ±1°0'	NAME RIGHT-ANGLE PLUG ASSY, RTM, CENTER, DIFFERENTIAL, SINGLE-ENDED AND POWER VPX, MULTIGIG RT 3		
		APVD A. TSANG A. TSANG	PRODUCT SPEC 108-2072-3 APPLICATION SPEC 114-163004		
MATERIAL 		WEIGHT 9.98g	SIZE A100779C=2302794		
SEE TABLE		CUSTOMER DRAWING			RESTRICTED TO -
		SCALE 6:1 SHEET 2 OF 2 REV B			