

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
5		ADDED REF DIMENSIONS TO PCB LAYOUT	01AUG2018	MS	DH
6		ADDED PARTS	26SEP2018	CJV	DMH
7		REV SHEET 4 TABLE, ADDED PART NUMBERS	14NOV2018	MS	DH
8		REVISED SHEET 4 TABLE, PLATING COLUMN	22FEB2019	MS	DH

⚠ HOUSING AND CONTACT OVERMOLDS - LCP, UL94-V0, BLACK.
CONTACTS AND HOLD DOWNS - COPPER ALLOY.
PICK AND PLACE TAPE - POLYIMIDE FILM.

⚠ CONTACTS - GOLD PLATE ON MATING SURFACES,
TIN PLATE ON SOLDER FEET.
HOLD DOWNS - TIN PLATE.

⚠ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

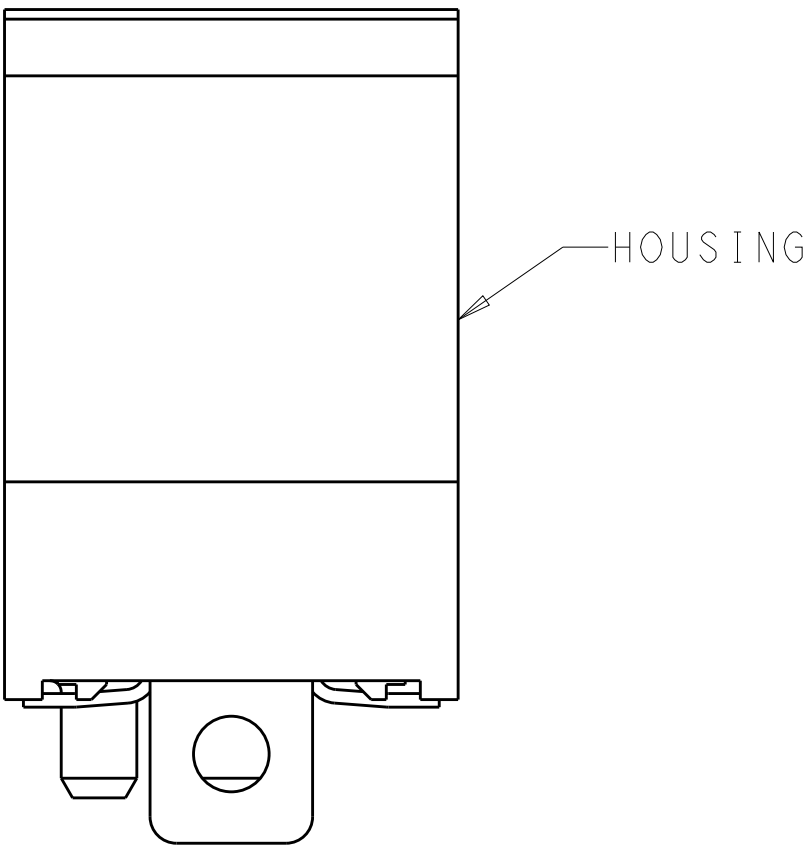
4. MINIMUM HOST PCB THICKNESS: 1.5.

⚠ SEE MSA SPECIFICATION FOR ADDITIONAL PADDLE CARD
LAYOUTS COMPATABLE WITH THIS RECEPTACLE AND FOR
OPTIONAL SPLIT CONTACT PAD LAYOUTS FOR THE
PADDLE CARD. SPECIFICATION PINOUT MAY ALSO
DESIGNATE PAD SEQUENCE DIFFERENT FROM ILLUSTRATION.

⚠ POSITIONS DESIGNATED AS "SIGNAL" ARE REQUIRED
LOCATIONS FOR HIGH SPEED DIFFERENTIAL PAIR
SIGNALING. THESE LOCATIONS MAY ALSO BE USED FOR
SUPPORTING SIDEBAND SIGNALS OR OTHER UTILITY
PURPOSES. POSITIONS DESIGNATED AS "GROUND" ARE
REQUIRED WHEN SUPPORTING HIGH SPEED DIFFERENTIAL
SIGNALS. THESE LOCATIONS MAY ALSO BE USED FOR
SIDEBAND SIGNALS OR OTHER UTILITY PURPOSES.

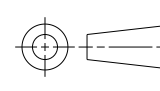
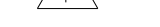
⚠ COMPONENT AND TRACE KEEP OUT AREA. EACH EDGE
0.15 MIN FROM EDGE OF HOLE.

⚠ TAPE AND REEL PACKAGED FOR PICK AND PLACE SMT
PROCESSING, SEE FIGURE 1. POCKET TAPE WIDTH = 56.



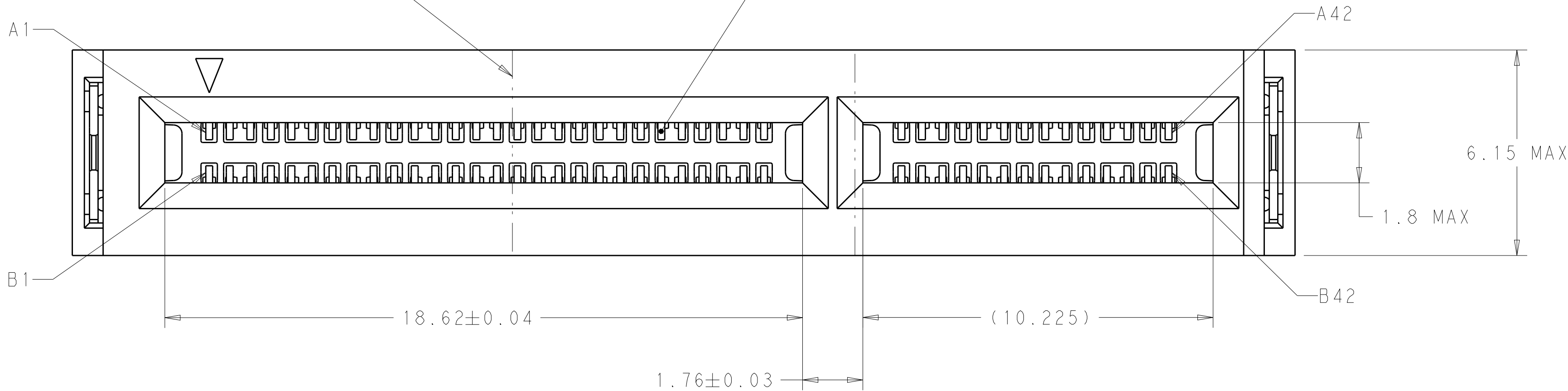
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SEE SHEET 4
FOR PART TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 16 JAN 2018	 TE Connectivity	
		CHK D. HARMON 16 JAN 2018		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME
		0 PLC ±.1	108-130021	RECEPTACLE ASSEMBLY, VERTICAL
		1 PLC ±.1	APPLICATION SPEC	84 POSITION, SLIVER 2.0
		2 PLC ±.1	114-130008	
MATERIAL		4 PLC ±.1	SIZE	CAGE CODE
		ANGLES	A1	-
FINISH		WEIGHT	DRAWING NO	RESTRICTED TO
		-	10:1	2327678
		CUSTOMER DRAWING	SHEET	REV
			1	8

PICK AND PLACE TAPE SHOWN
AS TRANSPARENT FOR CLARITY

CONTACT MATING SURFACES



PICK AND PLACE TAPE

2X (1.2)

2X END
HOLD DOWN

CENTER
HOLD DOWN

CONTACT SOLDER TAILS

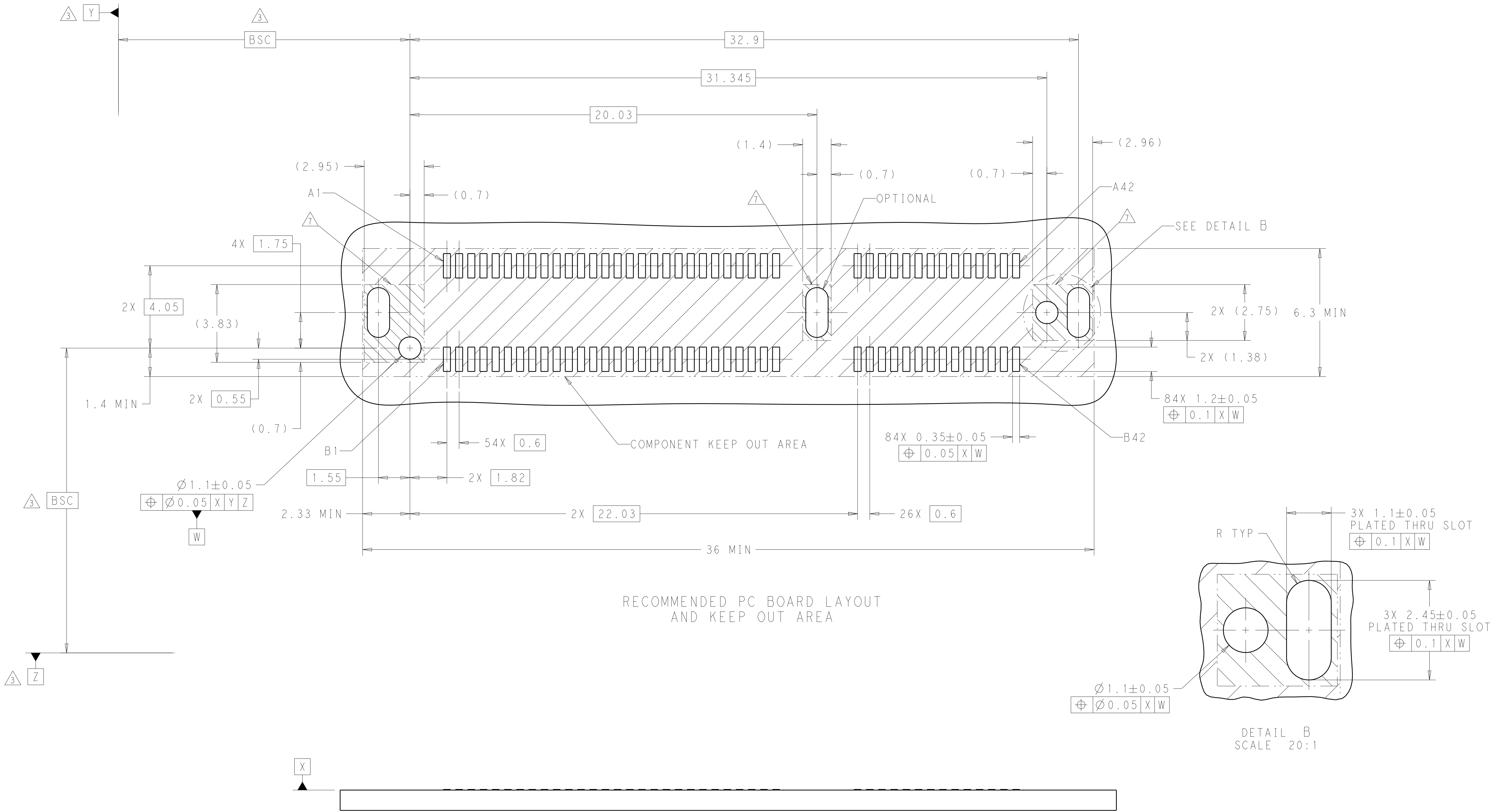
31.35

1.75

2X Ø1±0.05

CONTACT OVERMOLD

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

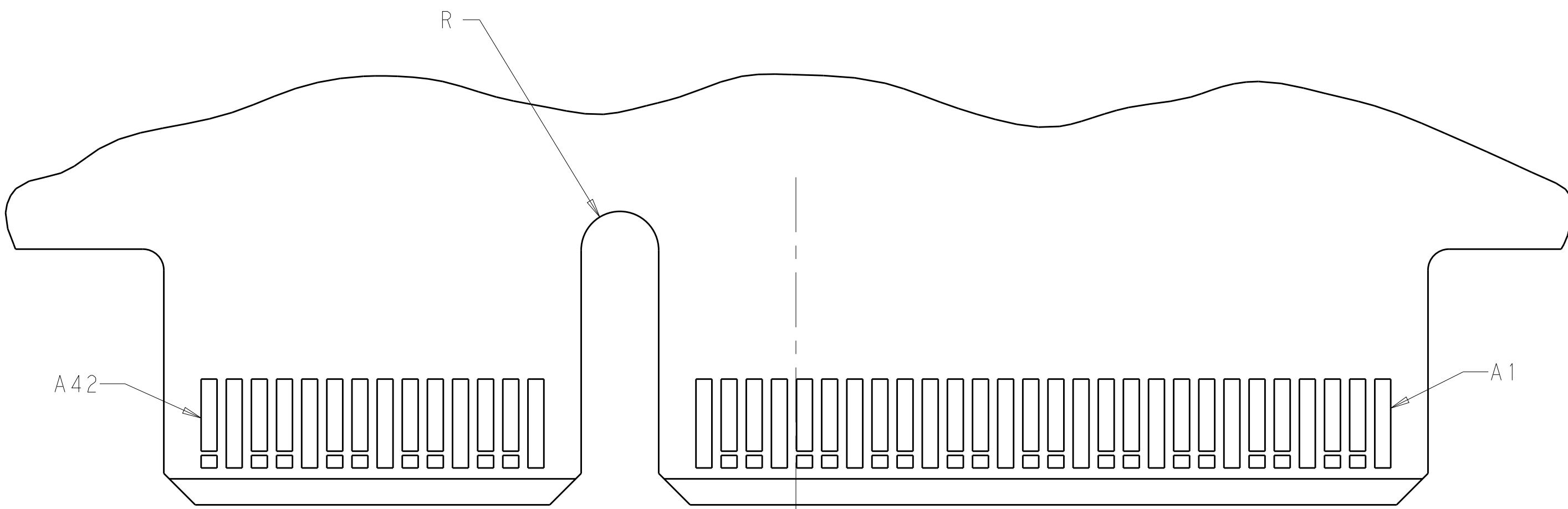
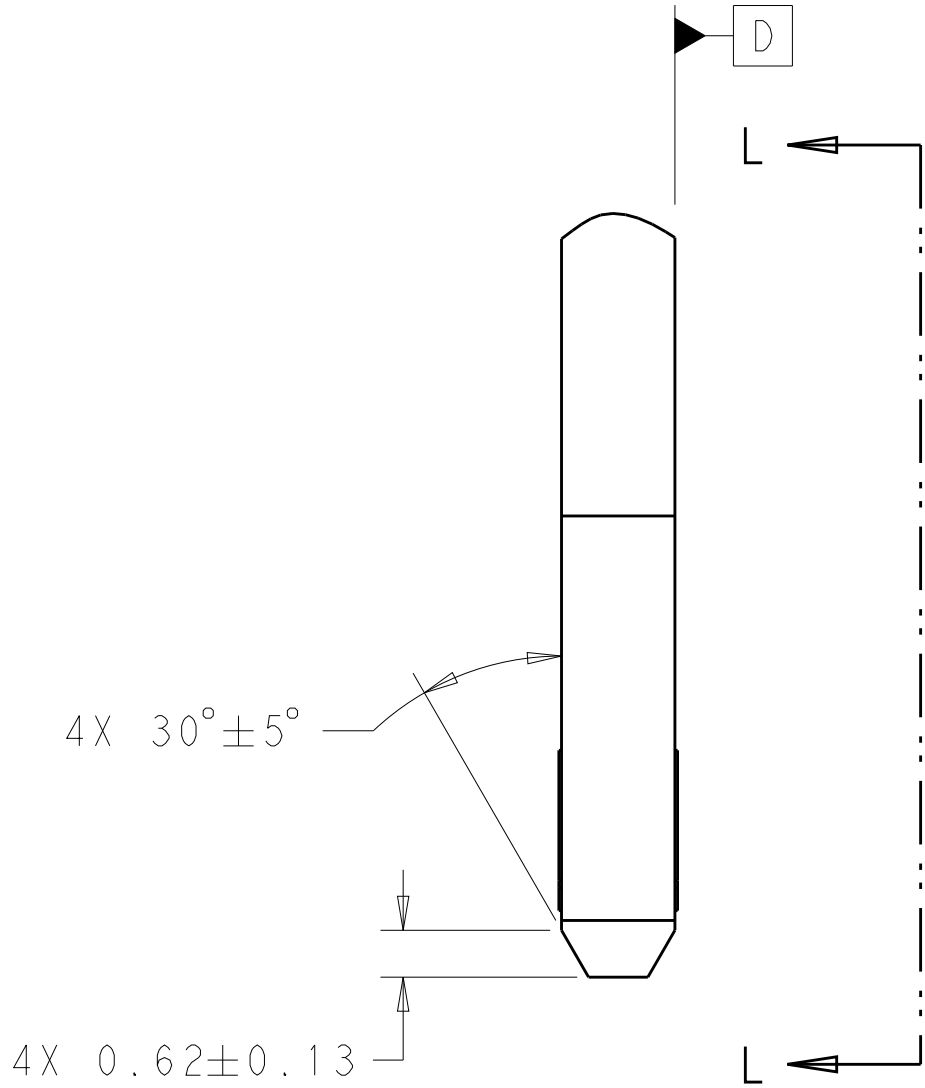
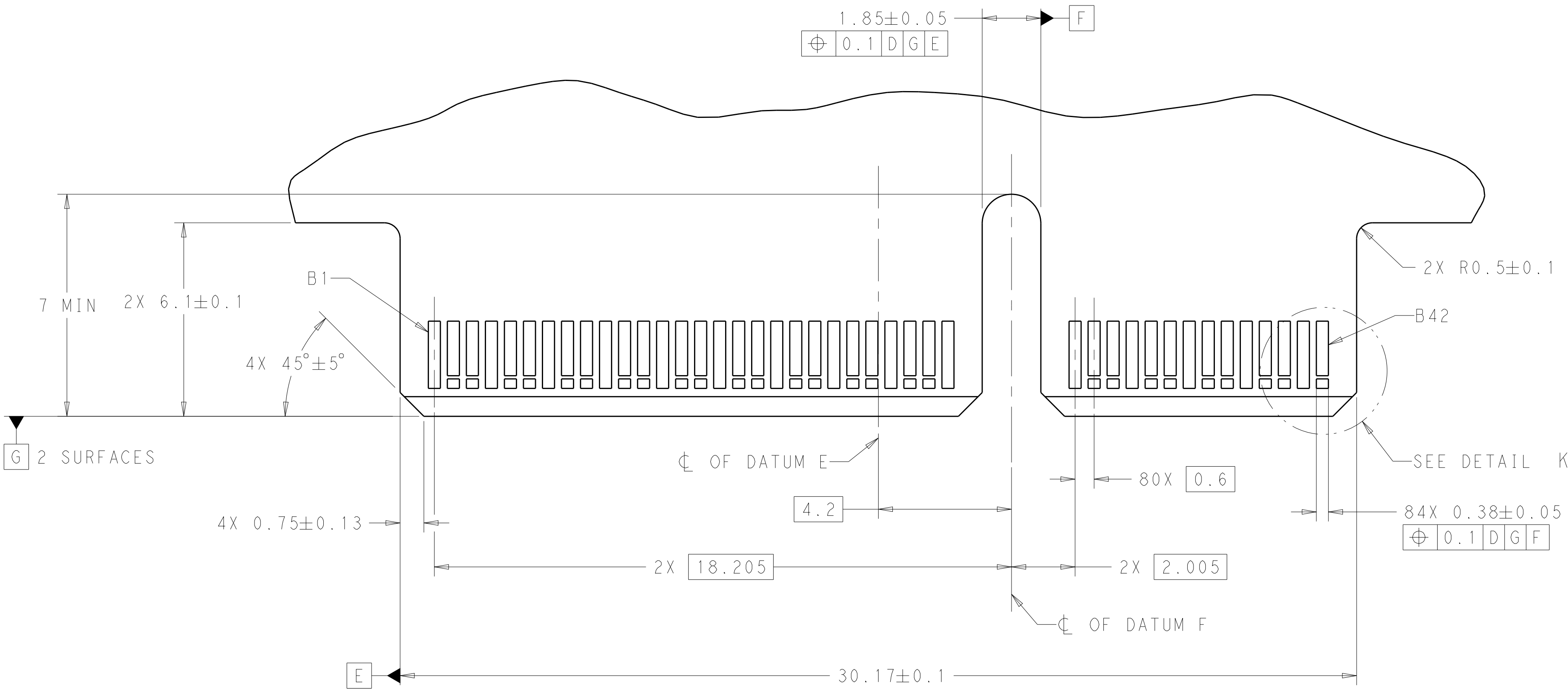


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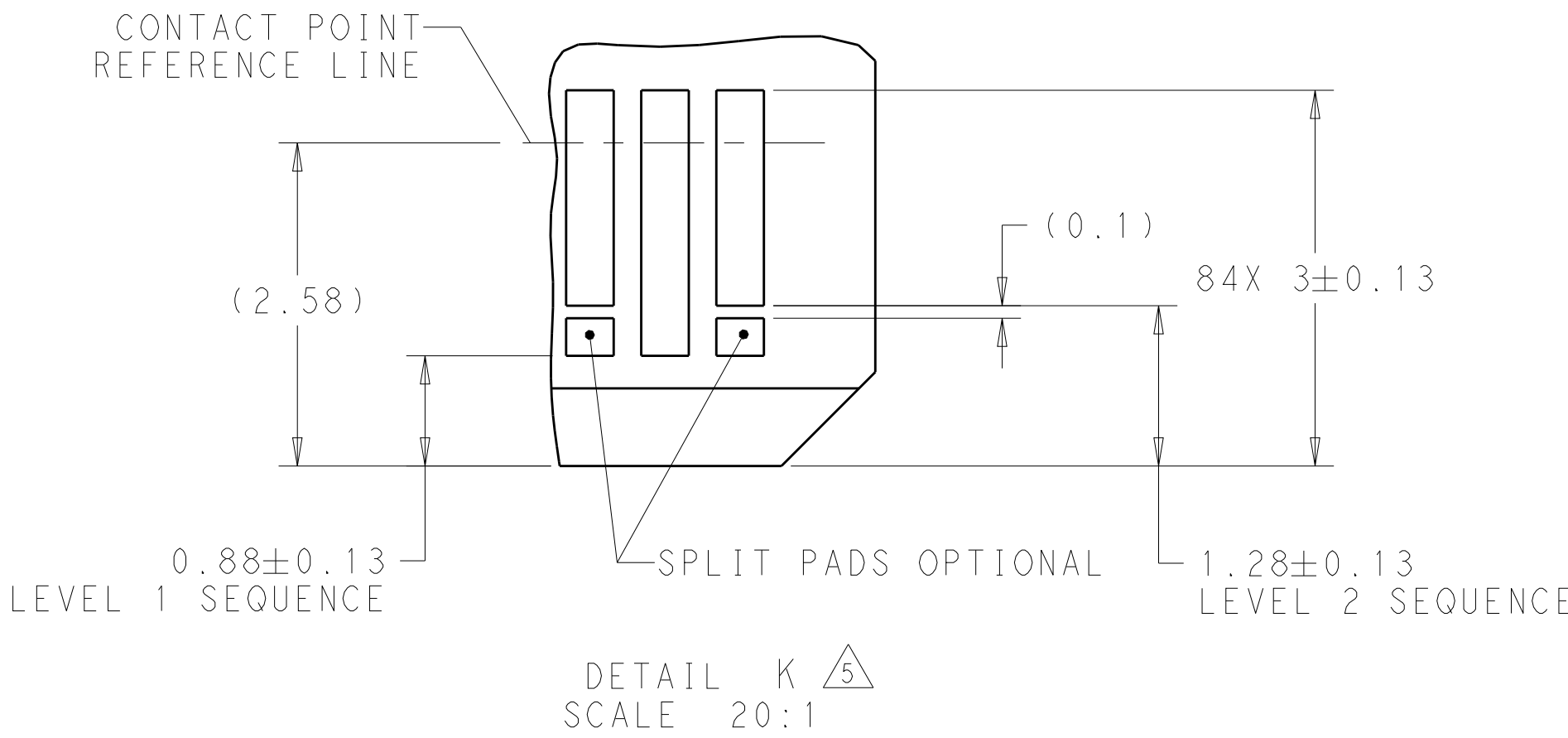
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 16JAN2018	TE Connectivity	
DIMENSIONS: mm		CHK D. HARMON 16JAN2018		
	0 PLC	±	NAME RECEPTACLE ASSEMBLY, VERTICAL, 84 POSITION, SLIVER 2.0	
	1 PLC	±		
	2 PLC	±		
	3 PLC	±		
MATERIAL	4 PLC	±	SIZE A 1	
	ANGLES	±		
FINISH		±	CAGE CODE C=2327678	
WEIGHT		-		
CUSTOMER DRAWING			RESTRICTED TO	
SCALE 10:1			SHEET 2 OF 4	
			REV 8	

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

RECOMMENDED PCB OUTLINE DIMENSIONS.
TOLERANCE VALUES ARE CRITICAL. PLEASE BE SURE TO DESIGNATE
TOLERANCES TO PCB SUPPLIER TO ENSURE OPTIMIZED FUNCTIONALITY.



VIEW L-L



DETAIL K
SCALE 20:1

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DIMENSIONS:		CHK D. HARMON 16JAN2018	NAME RECEPTACLE ASSEMBLY, VERTICAL, 84 POSITION, SLIVER 2.0			
mm		APVD D. HARMON 16JAN2018	SIZE A1			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-130021	CAGE CODE -			
0 PLC ±"		APPLICATION SPEC 114-130008	DRAWING NO. C=2327678			
1 PLC ±"		WEIGHT -	RESTRICTED TO -			
2 PLC ±"		CUSTOMER DRAWING				
3 PLC ±"		SCALE 10:1				
4 PLC ±"		SHEET 3 OF 4				
ANGLES ±"		REV 8				
FINISH ±"						

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

TABLE 1: CONNECTOR CONTACT IDENTIFICATION 56

CONTACT NUMBER	SIDE A	SIDE B
1	GROUND	GROUND
2	SIGNAL	SIGNAL
3	SIGNAL	SIGNAL
4	GROUND	GROUND
5	SIGNAL	SIGNAL
6	SIGNAL	SIGNAL
7	GROUND	GROUND
8	SIGNAL	SIGNAL
9	SIGNAL	SIGNAL
10	GROUND	GROUND
11	SIGNAL	SIGNAL
12	SIGNAL	SIGNAL
13	GROUND	GROUND
14	SIGNAL	SIGNAL
15	SIGNAL	SIGNAL
16	GROUND	GROUND
17	SIGNAL	SIGNAL
18	SIGNAL	SIGNAL
19	GROUND	GROUND
20	SIGNAL	SIGNAL
21	SIGNAL	SIGNAL
22	GROUND	GROUND
23	SIGNAL	SIGNAL
24	SIGNAL	SIGNAL
25	GROUND	GROUND
26	SIGNAL	SIGNAL
27	SIGNAL	SIGNAL
28	GROUND	GROUND
29	GROUND	GROUND
30	SIGNAL	SIGNAL
31	SIGNAL	SIGNAL
32	GROUND	GROUND
33	SIGNAL	SIGNAL
34	SIGNAL	SIGNAL
35	GROUND	GROUND
36	SIGNAL	SIGNAL
37	SIGNAL	SIGNAL
38	GROUND	GROUND
39	SIGNAL	SIGNAL
40	SIGNAL	SIGNAL
41	GROUND	GROUND
42	GROUND	GROUND

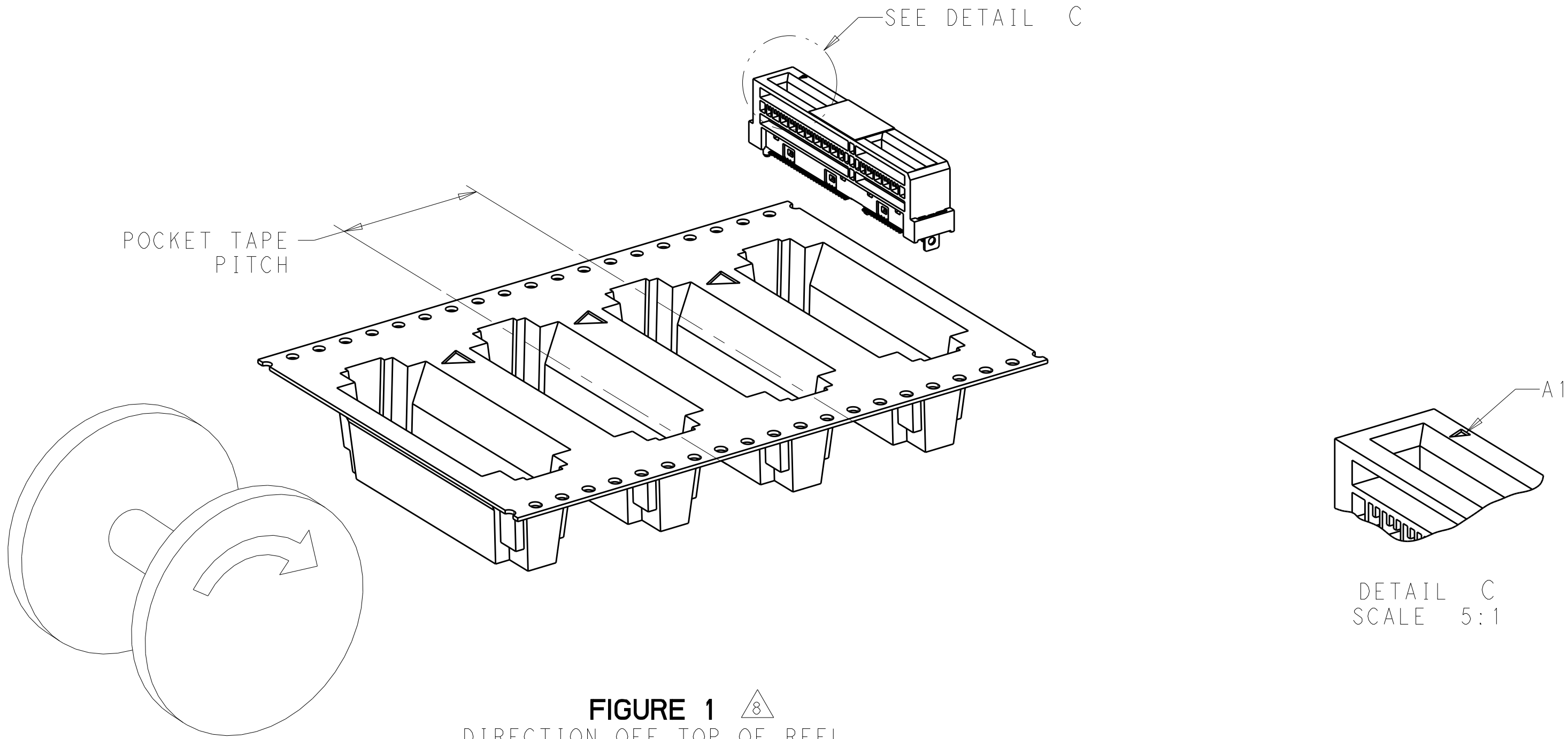


FIGURE 1 8
DIRECTION OFF TOP OF REEL
FOR USER UNREELING
SHOWN AS 2327678-1 THRU 2327678-9
SCALE 2:1

1.4 MAX	ENDS	0.76µm Au	24	250	NO	200	1-2327678-9
		0.38µm Au				100	1-2327678-8
		FLASH Au/PdNi				50	1-2327678-7
1.7 MIN	ENDS	0.76µm Au	24	250	NO	200	1-2327678-6
		0.38µm Au				100	1-2327678-5
		FLASH Au/PdNi				50	1-2327678-4
1.7 MIN	ALL	0.76µm Au	24	250	NO	200	1-2327678-3
		0.38µm Au				100	1-2327678-2
		FLASH Au/PdNi				50	1-2327678-1
1.4 MAX	ENDS	0.76µm Au	20	350	YES	200	2327678-9
		0.38µm Au				100	2327678-8
		FLASH Au/PdNi				50	2327678-7
1.7 MIN	ENDS	0.76µm Au	20	350	YES	200	2327678-6
		0.38µm Au				100	2327678-5
		FLASH Au/PdNi				50	2327678-4
1.7 MIN	ALL	0.76µm Au	20	350	YES	200	2327678-3
		0.38µm Au				100	2327678-2
		FLASH Au/PdNi				50	2327678-1
A	HOLD DOWNS	PLATING	POCKET TAPE PITCH	REEL QUANTITY	PICK AND PLACE TAPE	MATING CYCLES	PART NUMBER

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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±" 1 PLC ±" 2 PLC ±" 3 PLC ±" 4 PLC ±" ANGLES ±" FINISH		RECEPTACLE ASSEMBLY, VERTICAL, 84 POSITION, SLIVER 2.0	
MATERIAL		WEIGHT		SIZE	
		CUSTOMER DRAWING		A1	
		SCALE		10:1	
		SHEET		4 OF 4	
		REV		8	

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