



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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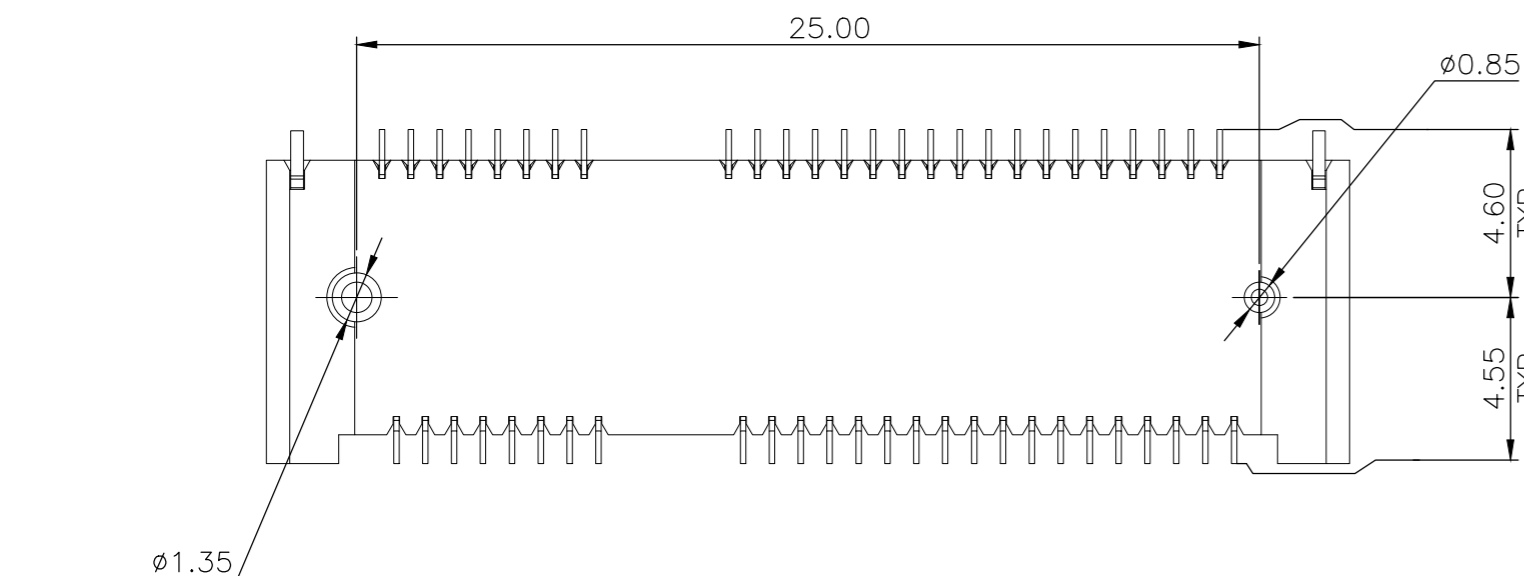
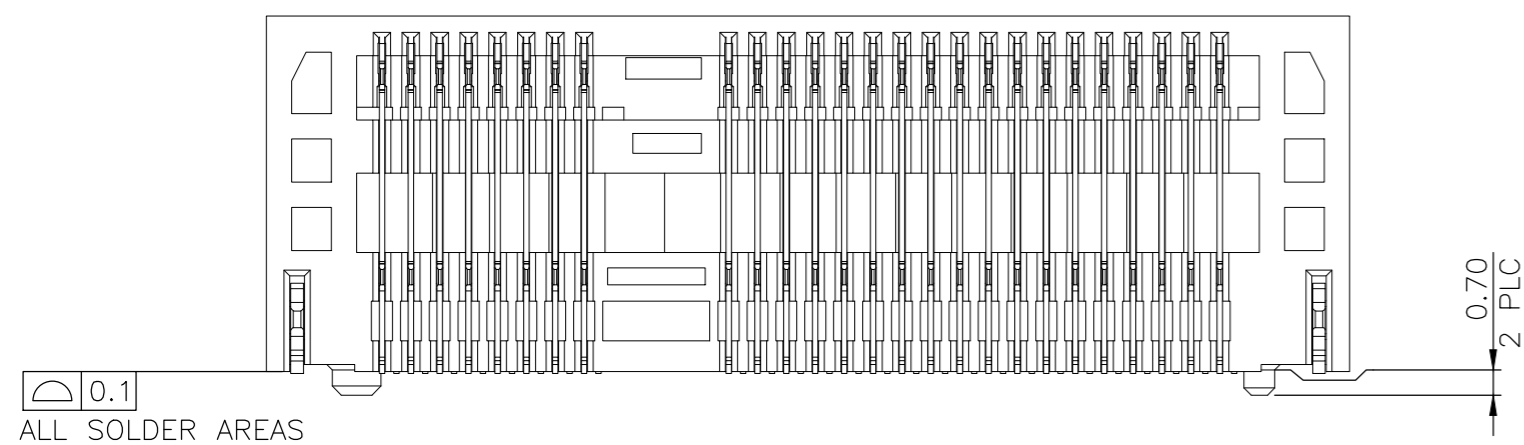
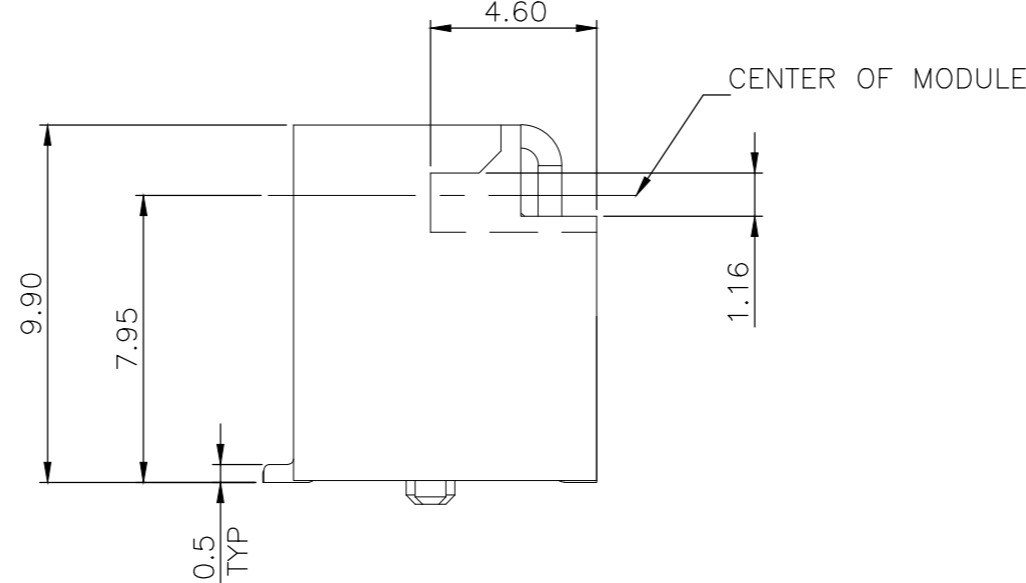
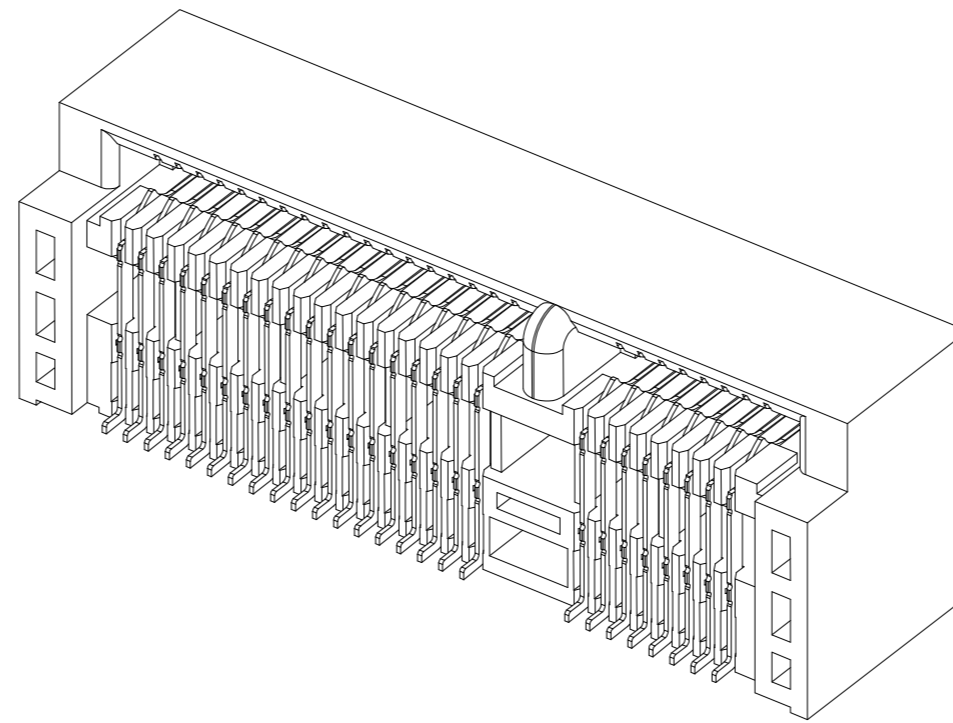
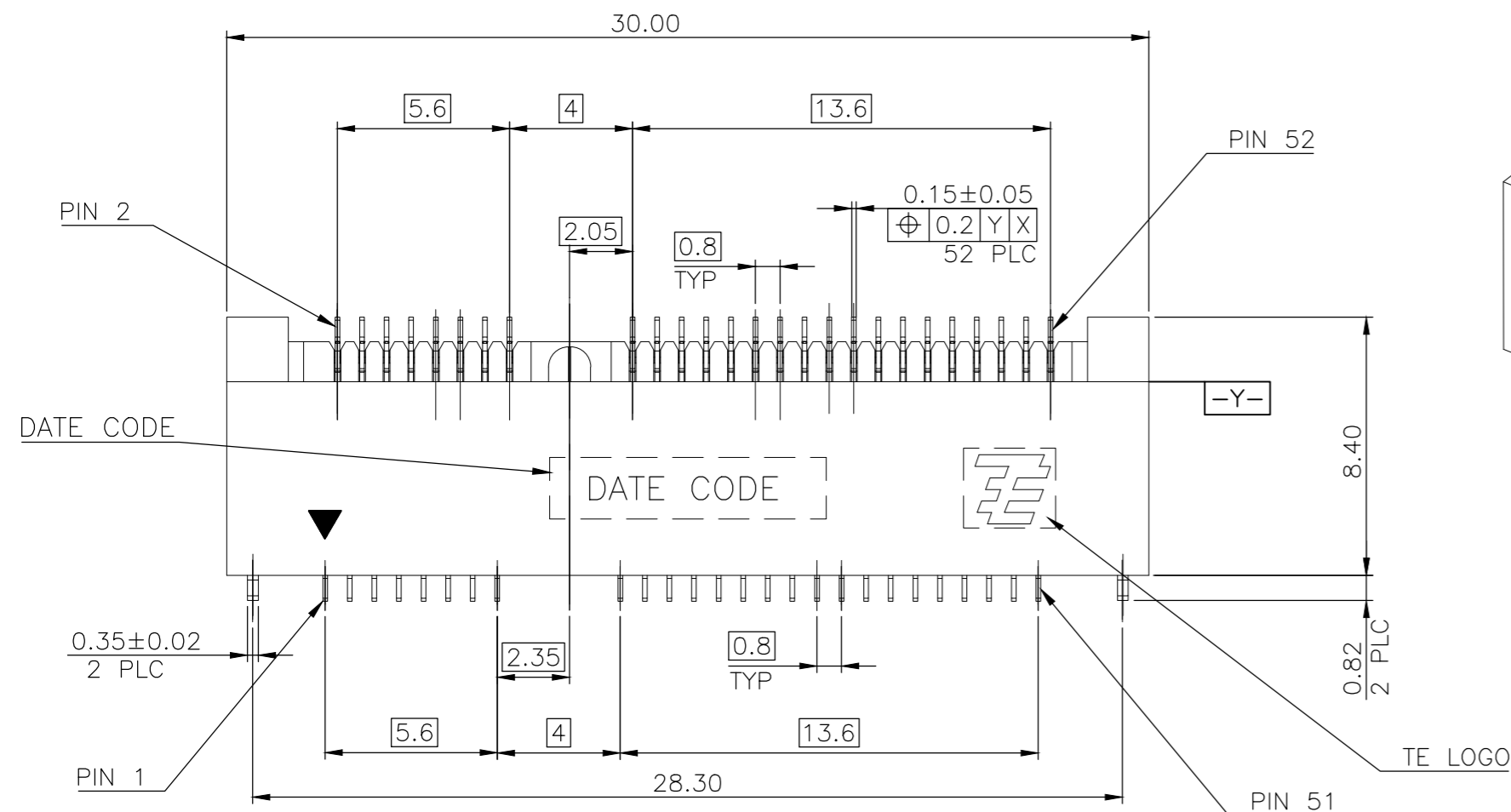
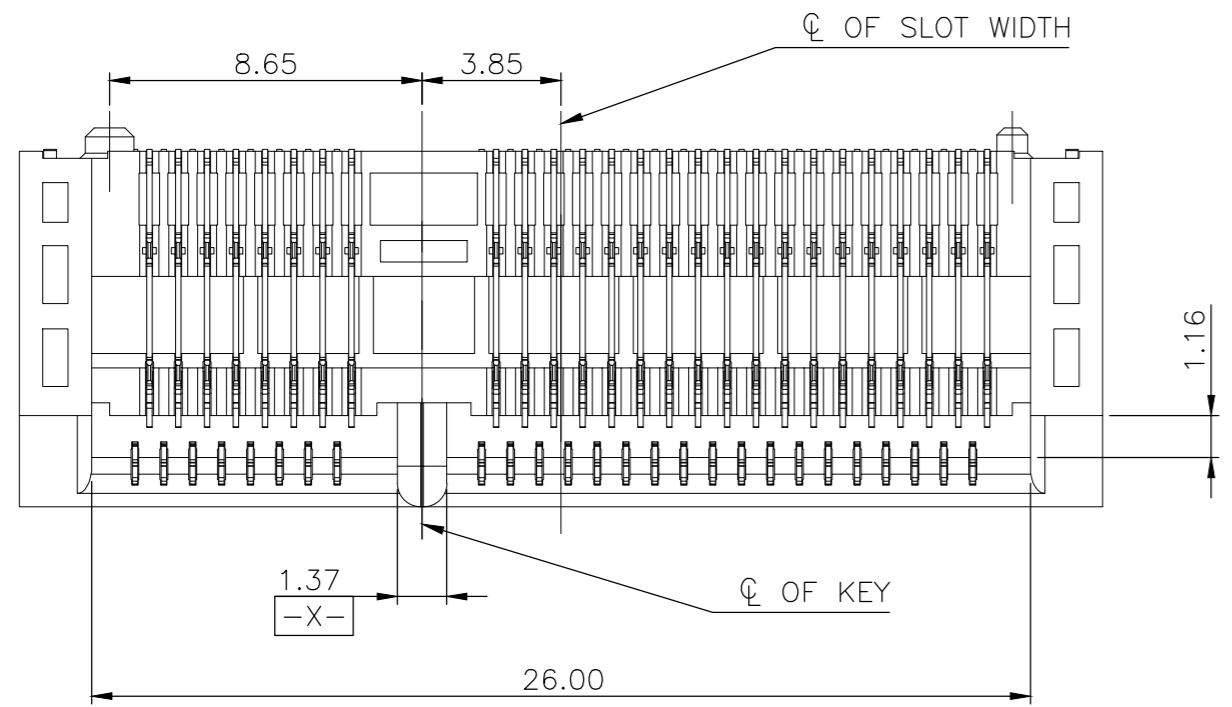


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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
C		REVISED PER ECR-18-000544	15JAN18	DZ	SL

NOTES:

- MATERIAL:  
HOUSING: LCP WITH 30% GF, UL94 V-0, BLACK COLOR.  
CONTACTS: PHOSPHOR BRONZE.  
PEGS: BRASS.
- FINISH:  
CONTACTS: (SEE TABLE) GOLD PLATED ON CONTACT AREA, GOLD FLASH ON SOLDER AREA, WITH ENTIRE CONTACT UNDERPLATED 1.27µm [50µ"] MIN. NICKEL.  
PEGS: 3.048µm [120µ"] MIN. MATTE-TIN OVER 1.27µm [50µ"] MIN. NICKEL.
- REFLOW SOLDER CAPABLE TO 260° PER TEC-109-201, CONDITION B.



PCI-E MINI CARD CONNECTOR SIGNAL ASSIGNMENTS

PIN#	NAME	PIN#	NAME
51	Reserved	52	+3.3Vaux
49	Reserved	50	GND
47	Reserved	48	+1.5V
45	Reserved	46	LED_WPAN#
43	GND	44	LED_WLAN#
41	+3.3Vaux	42	LED_WWAN#
39	+3.3Vaux	40	GND
37	GND	38	USB_D+
35	GND	36	USB_D-
33	PETp0	34	GND
31	PETn0	32	SMB_DATA
29	GND	30	SMB_CLK
27	GND	28	+1.5V
25	PERp0	26	GND
23	PERn0	24	+3.3Vaux
21	GND	22	PERST#
19	Reserved* (UIM_C4)	20	W_DISABLE#
17	Reserved* (UIM_C8)	18	GND
MECHANICAL KEY			
15	GND	16	UIM_VPP
13	REFCLK+	14	UIM_RESET
11	REFCLK-	12	UIM_CLK
9	GND	10	UIM_DATA
7	CLKREQ#	8	UIM_PWR
5	COEX2	6	1.5V
3	COEX1	4	GND
1	WAKE#	2	3.3Vaux

\* Reserved for future UIM interface (if needed)

mSATA CONNECTOR SIGNAL ASSIGNMENTS

PIN#	NAME	PIN#	NAME
51	Presence Defection	52	+3.3V
49	DA/DSS	50	GND
47	Vendor	48	+1.5V
45	Vendor	46	Reserved
43	No Connect	44	Reserved
41	+3.3V	42	Reserved
39	+3.3V	40	GND
37	GND	38	Reserved
35	GND	36	Reserved
33	+A	34	GND
31	-A	32	Two Wire Interface
29	GND	30	Two Wire Interface
27	GND	28	+1.5V
25	-B	26	GND
23	+B	24	+3.3V
21	GND	22	Reserved
19	Reserved	20	Reserved
17	Reserved	18	GND
MECHANICAL KEY			
15	GND	16	Reserved
13	Reserved	14	Reserved
11	Reserved	12	Reserved
9	GND	10	Reserved
7	Reserved	8	Reserved
5	Reserved	6	+1.5V
3	Reserved	4	GND
1	Reserved	2	+3.3V

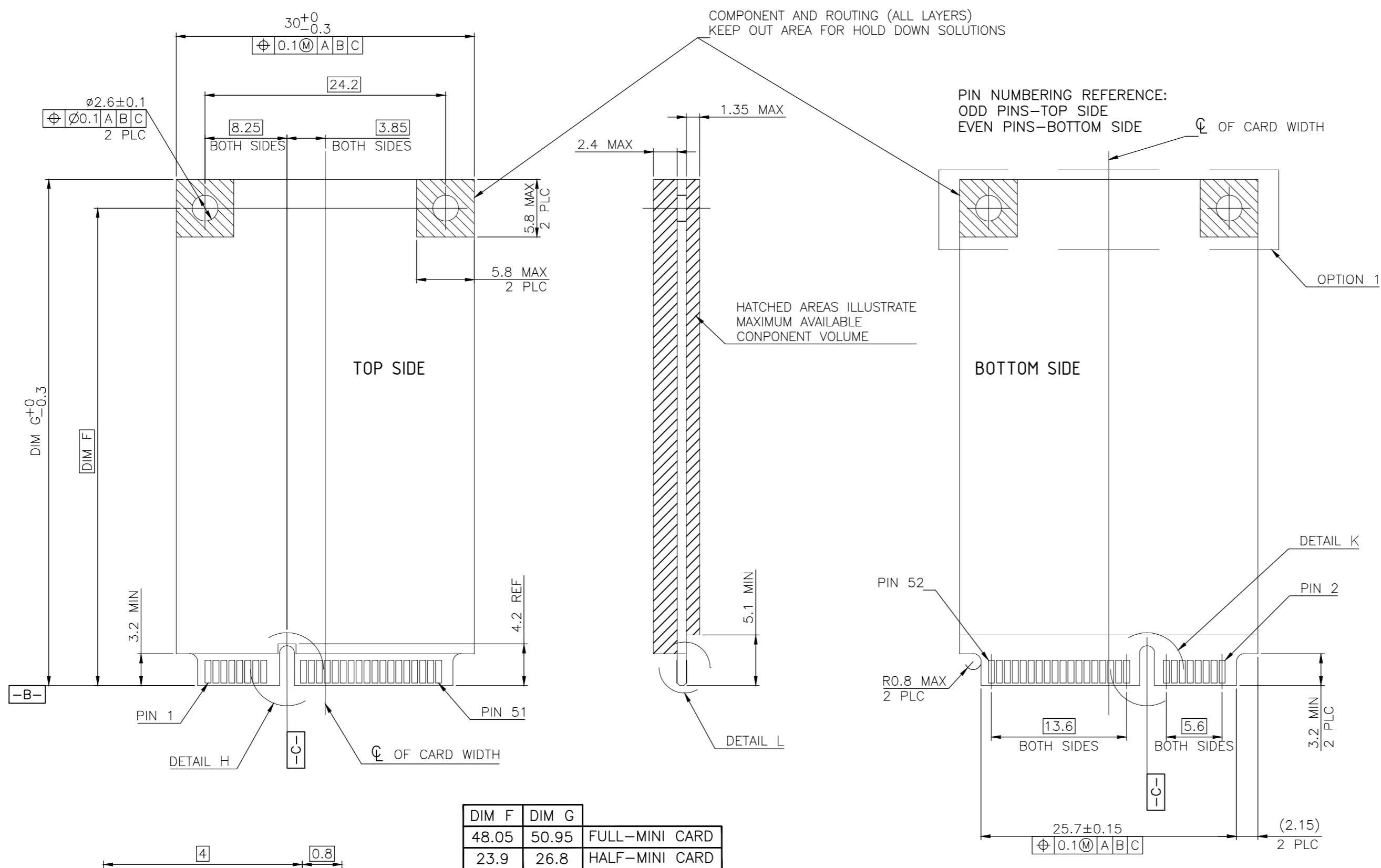
GOLD FLASH	1759546-1
MIN. GOLD THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WU 050CT2011	TE Connectivity	
DIMENSIONS: mm		CHK S. CHIEN 050CT2011	NAME 2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 9.9 MM HEIGHT	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. KODAMA 050CT2011	DRAWING NO C=1759546	
0 PLC ± -		PRODUCT SPEC 108-99102	RESTRICTED TO	
1 PLC ± 0.3		APPLICATION SPEC	-	
2 PLC ± 0.2		WEIGHT 2.95 GRAMS	SCALE	SHEET 1 of 5
3 PLC ± -		CUSTOMER DRAWING	REV	C
4 PLC ± -				
ANGLES ± 3°				
FINISH SEE NOTE				

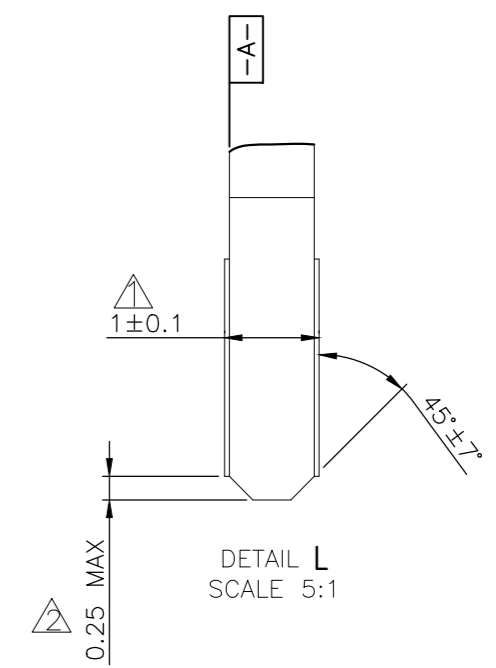
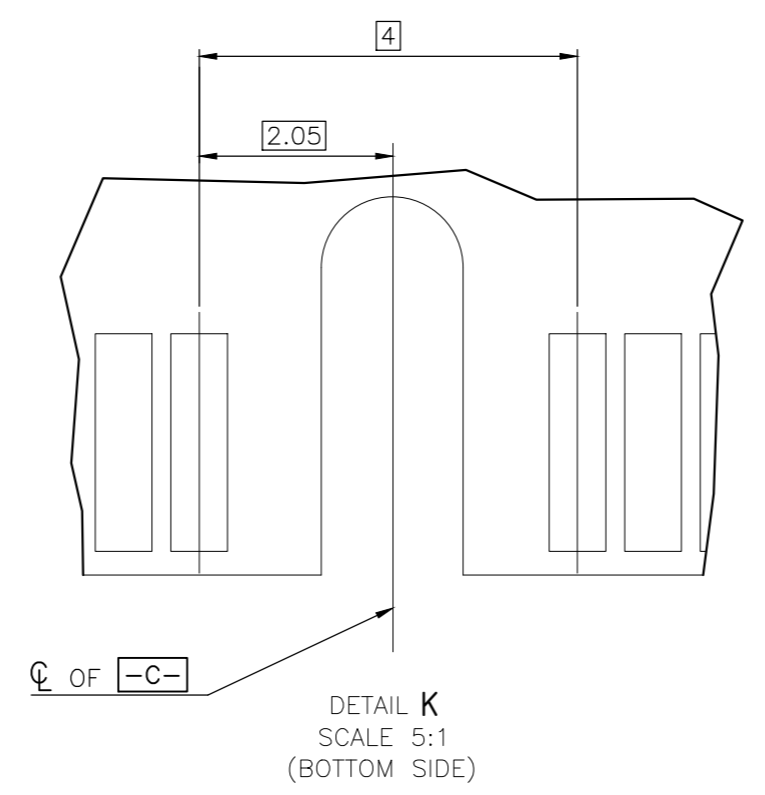
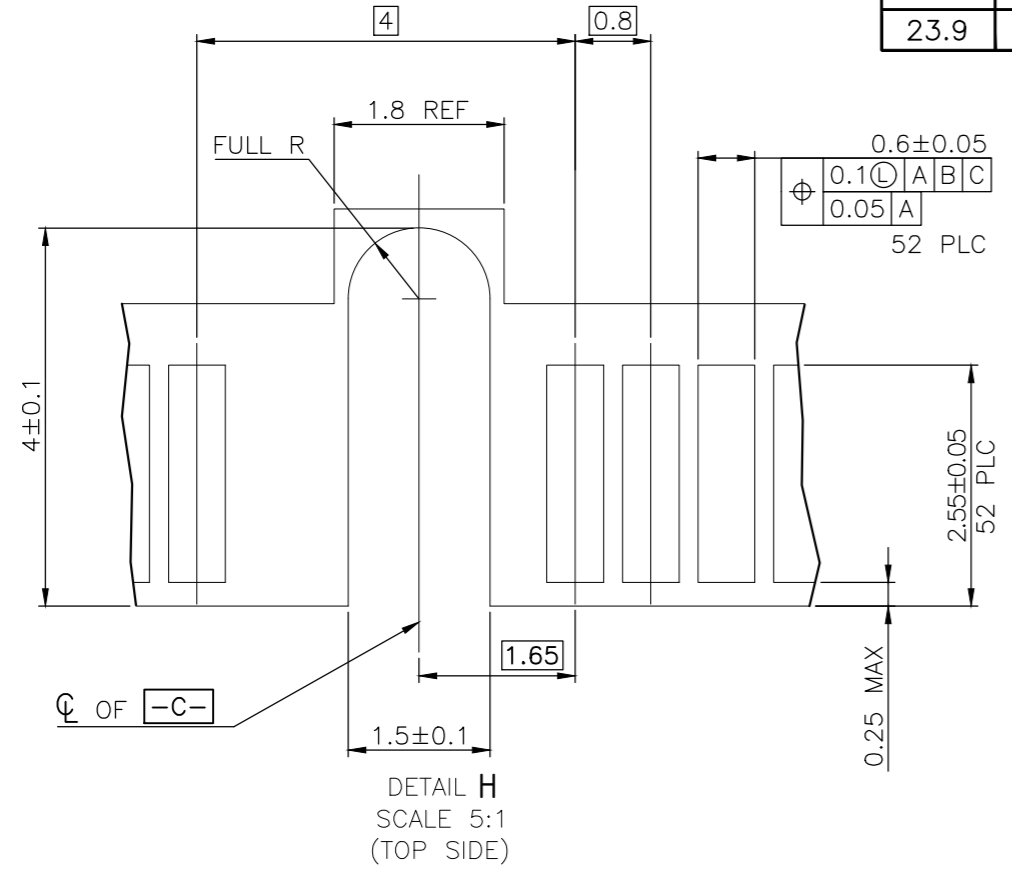




REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1	-	-	-



DIM F	DIM G	
48.05	50.95	FULL-MINI CARD
23.9	26.8	HALF-MINI CARD

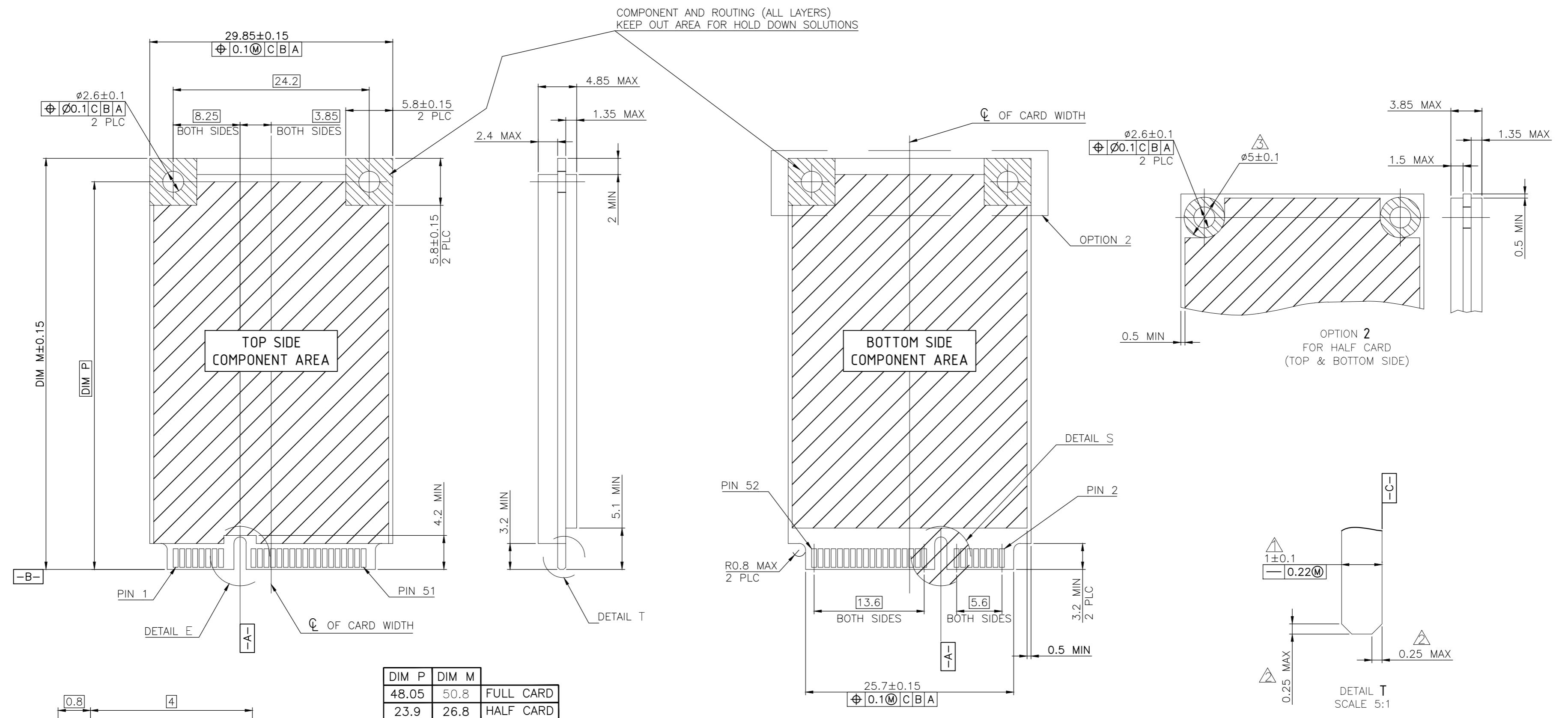


- NOTES:
- △ CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING AND/OR METALLIZATION.
  - △ EDGE BEVEL MUST BE PRESENT AND FREE OF CUTTING BURRS FROM PCB AND CONTACT MATERIALS.

FOR PCI EXPRESS MINI CARD

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	31MAY2016	TE Connectivity	
DIMENSIONS: mm		CHK	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	-	NAME	
0 PLC	± -	PRODUCT SPEC	-	2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 9.9 MM HEIGHT	
1 PLC	± -	APPLICATION SPEC	-	SIZE	A2
2 PLC	± -	WEIGHT	-	CAGE CODE	00779
3 PLC	± -	CUSTOMER DRAWING	-	DRAWING NO	C=1759546
4 PLC	± -	SCALE	-	RESTRICTED TO	-
ANGLES	± -	SHEET	3 OF 5	REV	C
FINISH	-	REV	-		

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1	-	-



- NOTES:
- ▲ CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING AND/OR METALLIZATION.
  - ▲ EDGE BEVEL MUST BE PRESENT AND FREE OF CUTTING BURRS FROM PCB AND CONTACT MATERIALS.
  - ▲ COMPONENT AND ROUTING (TOP/BOTTOM LAYER) KEEP OUT AREA FOR HOLD DOWN SOLUTIONS.

FOR mSATA

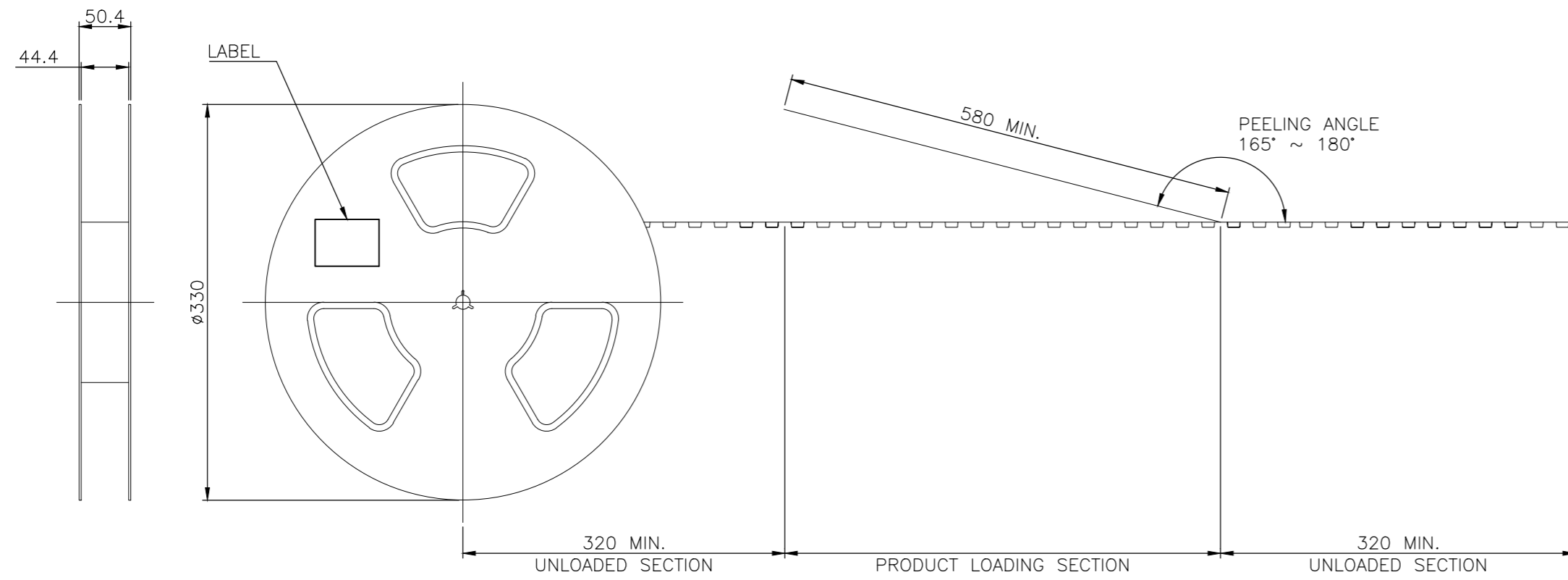
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	31MAY2016	<b>TE</b> TE Connectivity	
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	-	NAME	
0 PLC	± -	PRODUCT SPEC	-	2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 9.9 MM HEIGHT	
1 PLC	± -	APPLICATION SPEC	-	SIZE	A2
2 PLC	± -	WEIGHT	-	CAGE CODE	00779
3 PLC	± -	CUSTOMER DRAWING	-	DRAWING NO	C=1759546
4 PLC	± -	SCALE	-	RESTRICTED TO	-
ANGLES	± -	SHEET	4 OF 5	REV	C
FINISH	-	REV	-		

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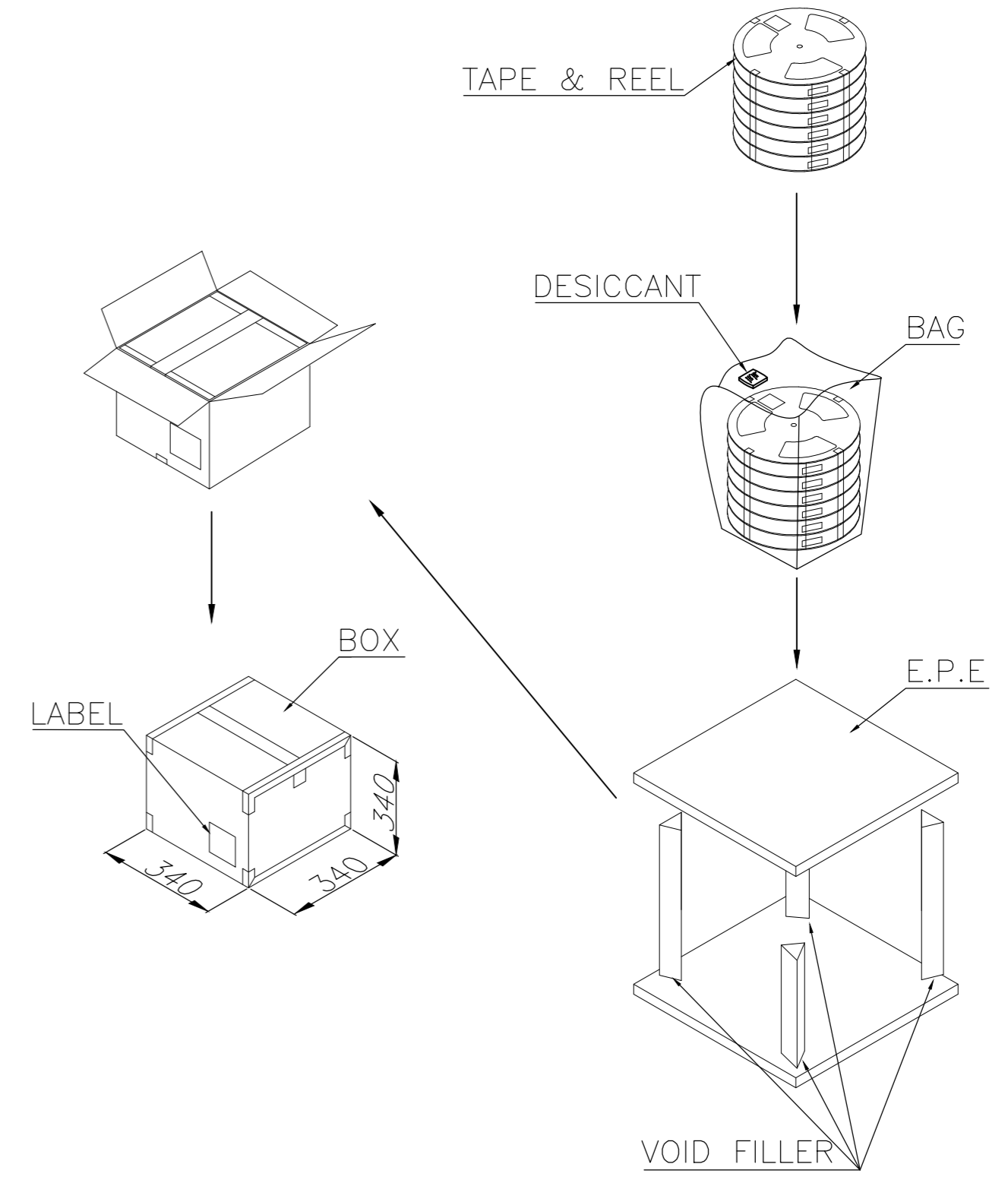
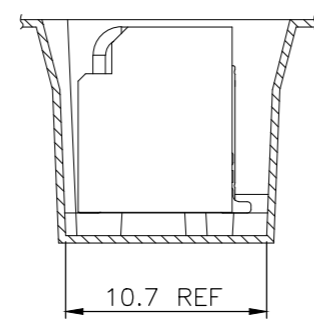
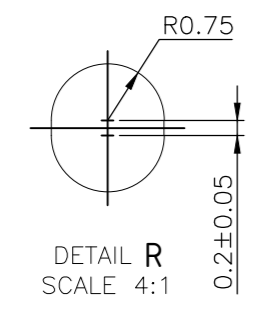
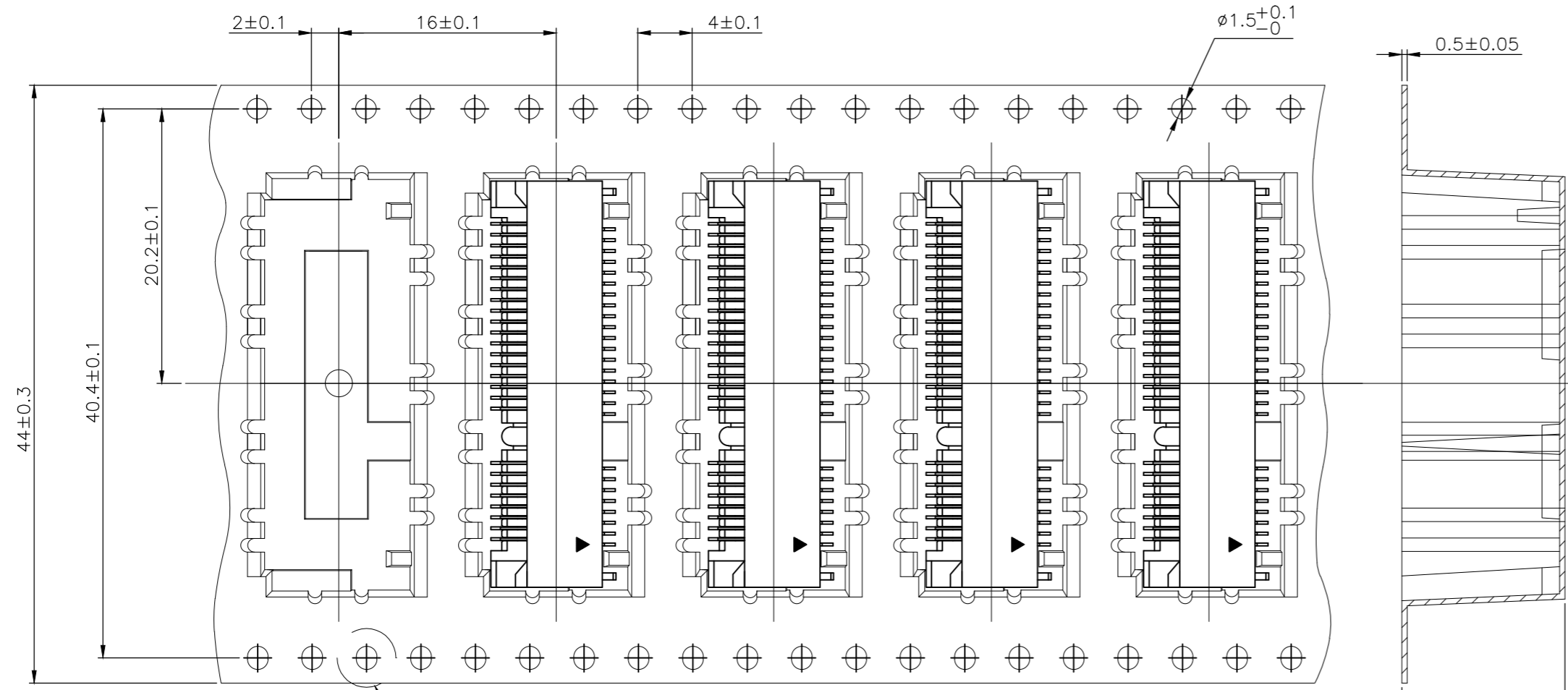
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1	-	-

NOTES:

- MATERIAL:  
 BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.  
 COVER TAPE: POLYSTYRENES, TRANSPARENT COLOR.  
 CARRIER TAPE: POLYSTYRENES, TRANSPARENT COLOR.  
 REEL: HIPS, BLUE COLOR.  
 BAG: POLYETHYLENES, TRANSPARENT .
- EACH BAG SHALL BE INCLUDED DESICCANT.
- PEELING STRENGTH: 0.1 ~ 1.3 N (10 ~ 130 GRAMS).
- PEELING SPEED: 300 mm/min.



USER DIRECTION OF UNREELING



10.31 Kg	5.31 Kg	350	6	2100
GROSS WEIGHT	NET WEIGHT	PCS/TAPE	REELS/BOX	PCS/BOX

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DIMENSIONS: mm		CHK	-	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	-	2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 9.9 MM HEIGHT	
0 PLC	± -	PRODUCT SPEC	-	SIZE	CAGE CODE
1 PLC	± -	APPLICATION SPEC	-	A2	00779
2 PLC	± -	WEIGHT	-	DRAWING NO	C=1759546
3 PLC	± -	CUSTOMER DRAWING	-	RESTRICTED TO	-
4 PLC	± -	SCALE	-	SHEET	5 of 5
ANGLES	± -	REV	C		
FINISH	-				