

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	J	REVISED PER ECR-18-012242	20AUG18	DZ	SL

NOTES:

1. MATERIAL:
HOUSING: LCP WITH 30% GF, UL94 V-0, BLACK COLOR.
CONTACTS: PHOSPHOR BRONZE.
PEGS: BRASS.
2. 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.
3. REFLOW SOLDER CAPABLE TO 260° PER TEC-109-201, CONDITION B.

PCI-E MINI CARD CONNECTOR
SIGNAL ASSIGNMENTS

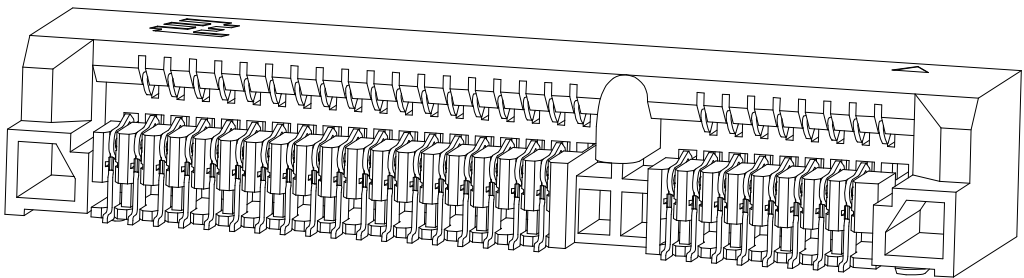
PIN#	NAME	PIN#	NAME
51	Reserved	52	+3.3Vaux
49	Reserved	50	GND
47	Reserved	48	+1.5V
45	Reserved	46	LED_WPAN#
43	GND	44	LED_WLAN#
41	+3.3Vaux	42	LED_WWAN#
39	+3.3Vaux	40	GND
37	GND	38	USB_D+
35	GND	36	USB_D-
33	PETp0	34	GND
31	PETn0	32	SMB_DATA
29	GND	30	SMB_CLK
27	GND	28	+1.5V
25	PERp0	26	GND
23	PERn0	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)

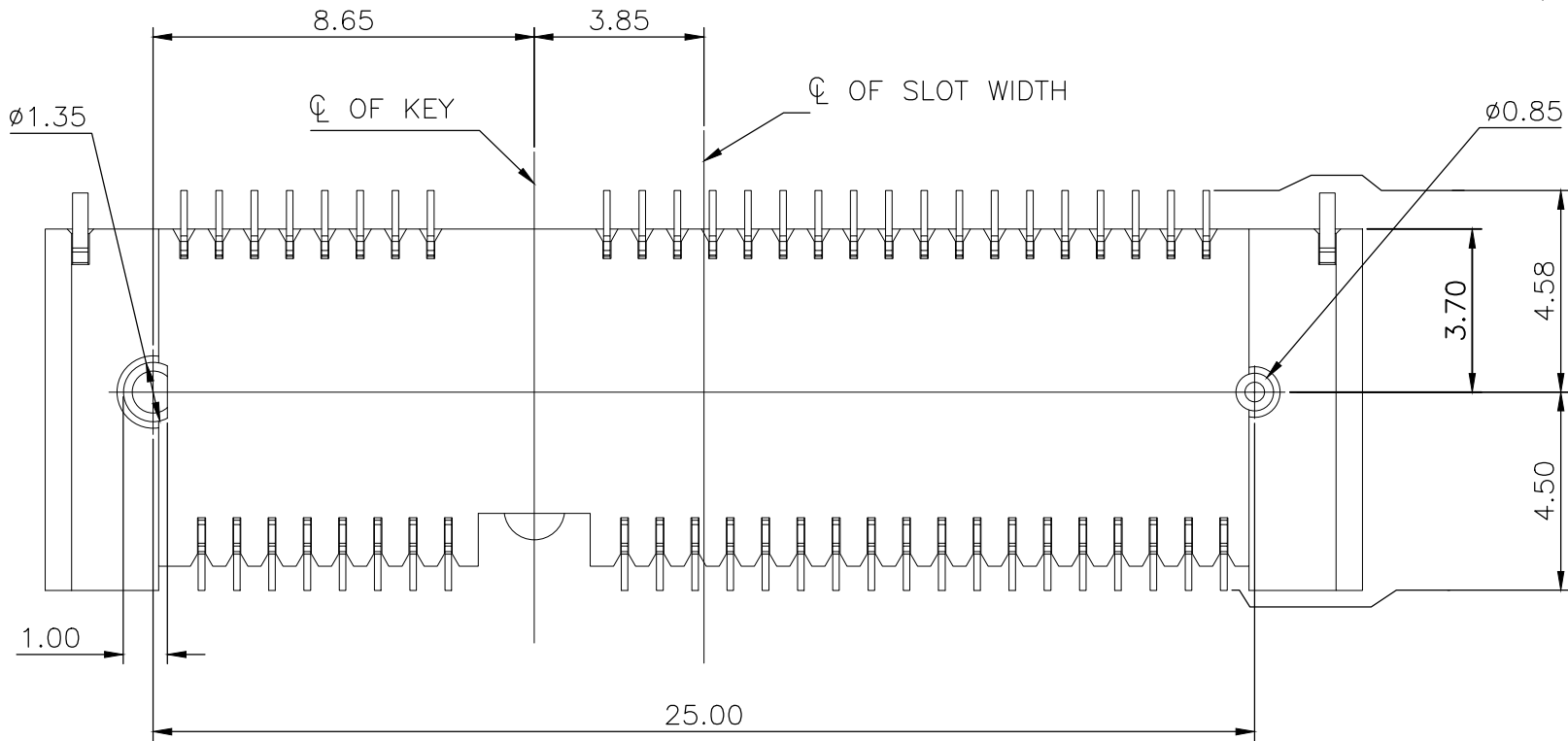
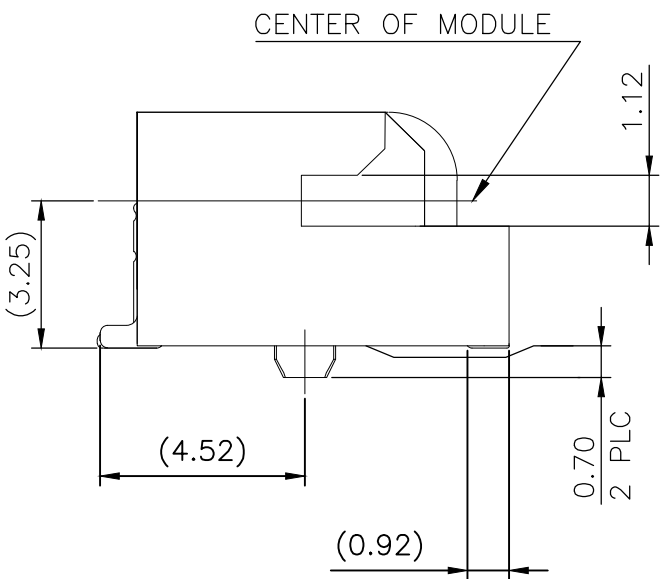
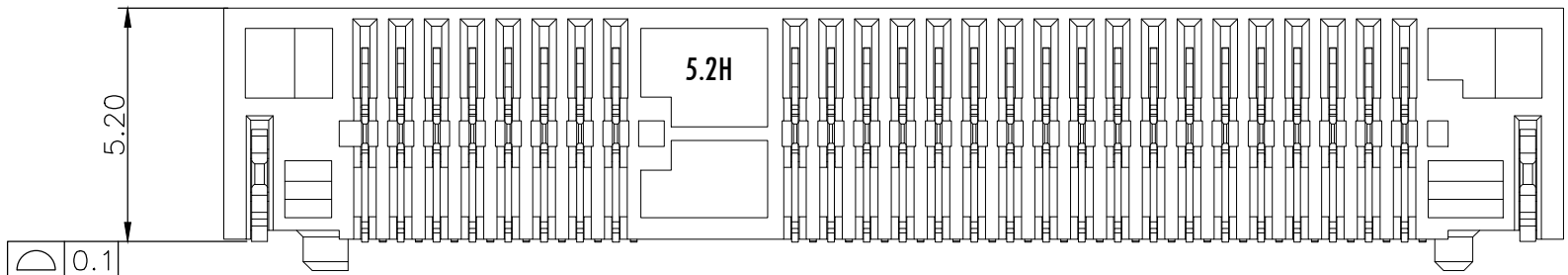
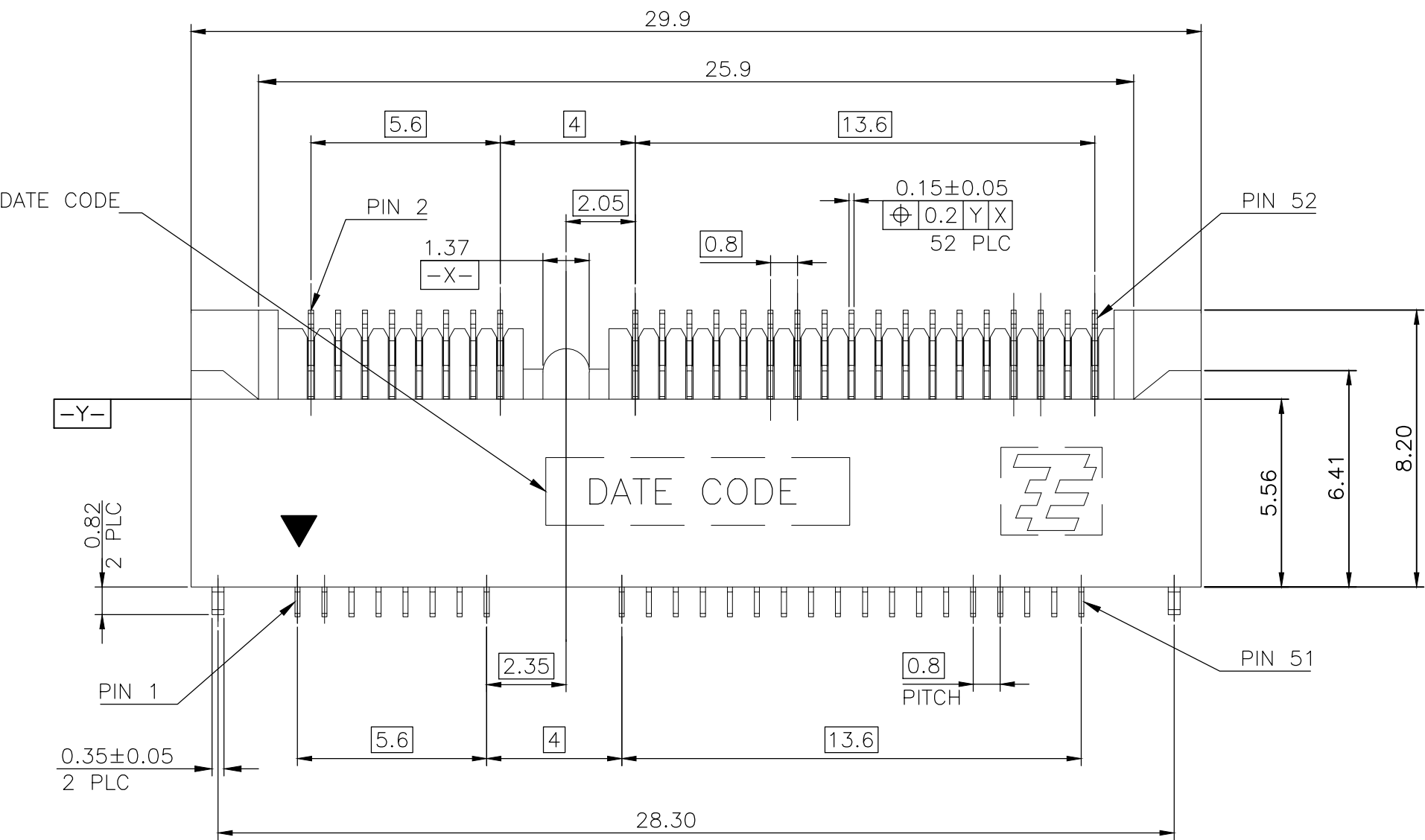
mSATA CONNECTOR
SIGNAL ASSIGNMENTS

PIN#	NAME	PIN#	NAME
51	Presence Detection	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

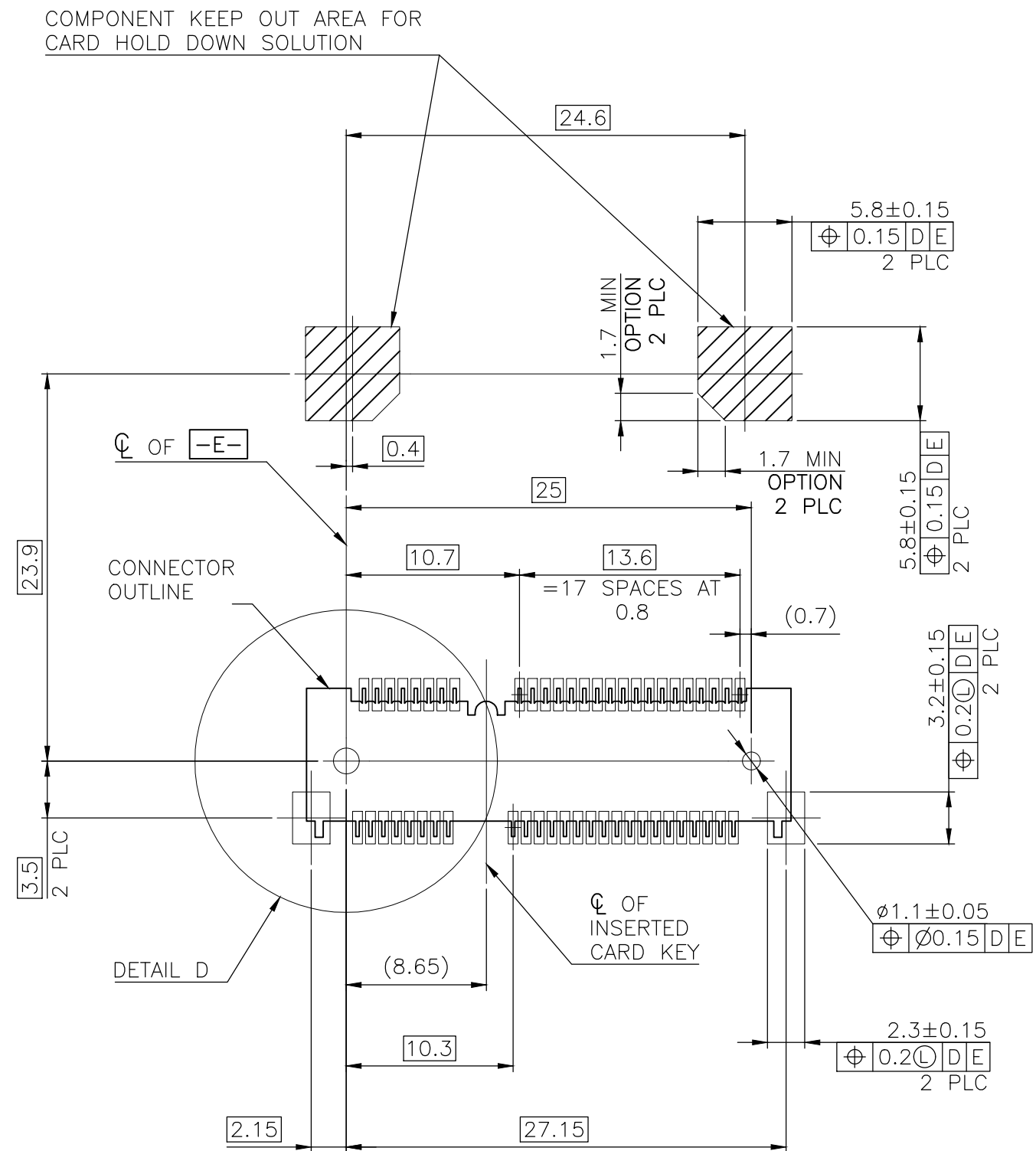
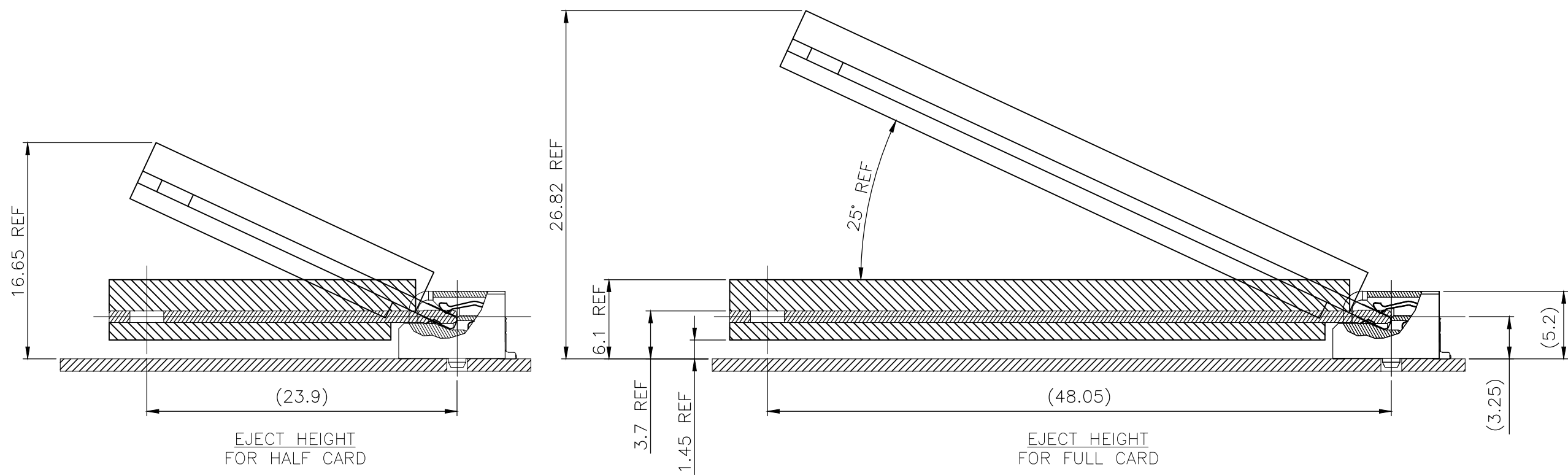
OBSOLETE	TYPE II	GOLD FLASH	1-1775862-2
OBSOLETE		0.254μm [10μ"]	1-1775862-1
OBSOLETE	TYPE I	0.127μm [5μ"]	1775862-4
OBSOLETE		GOLD FLASH	1775862-2
OBSOLETE	PACKING TYPE	0.254μm [10μ"]	1775862-1
		MIN. GOLD THICKNESS	PART NUMBER



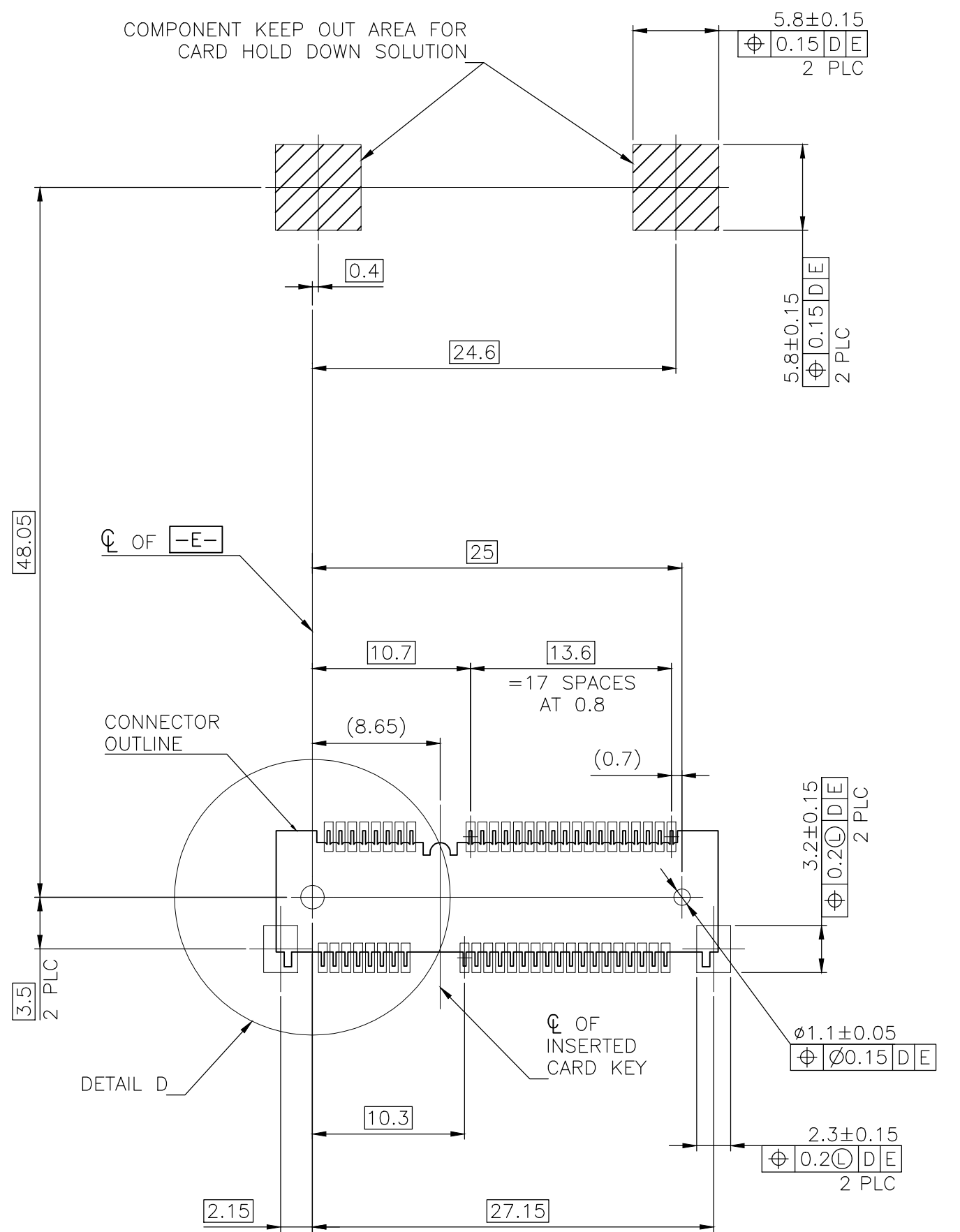
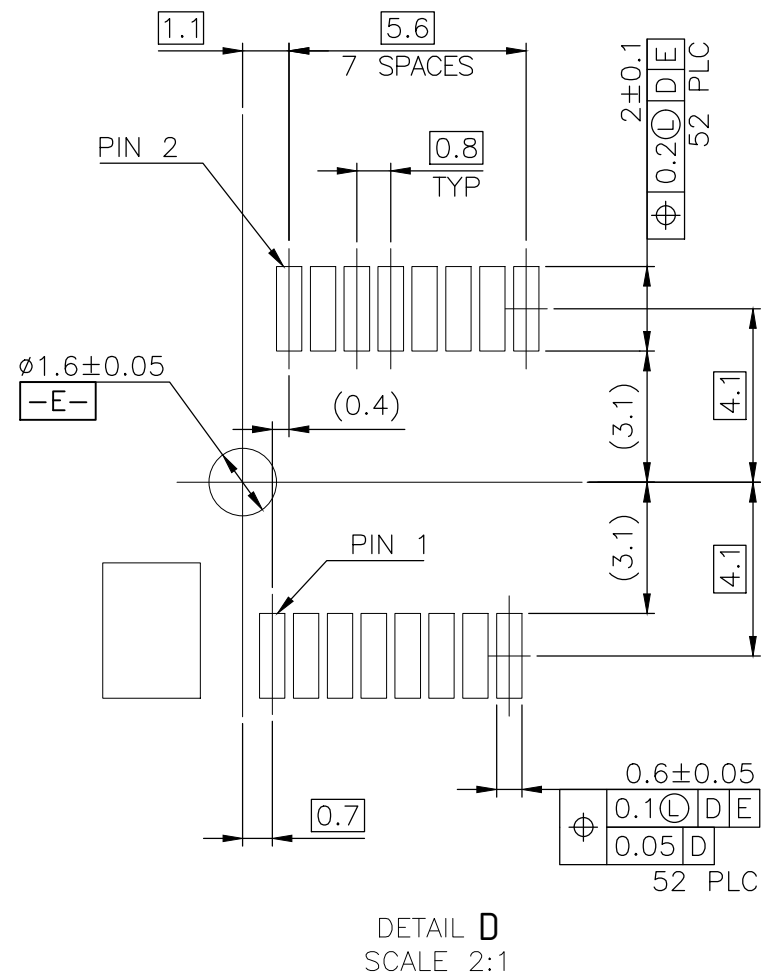
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WU 02APR2009		 TE Connectivity			
DIMENSIONS: mm		CHK S. CHIEN 02APR2009					
		APVD W. KODAMA 02APR2009		NAME 2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 5.2 MM HEIGHT			
		PRODUCT SPEC 108-99102					
		APPLICATION SPEC —					
		WEIGHT 1.54 GRAMS					
MATERIAL SEE NOTE		FINISH SEE NOTE		SIZE A2	CAGE CODE 00779	DRAWING NO C=1775862	RESTRICTED TO —
CUSTOMER DRAWING				SCALE —	SHEET 1 of 5	REV J	



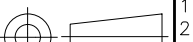
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

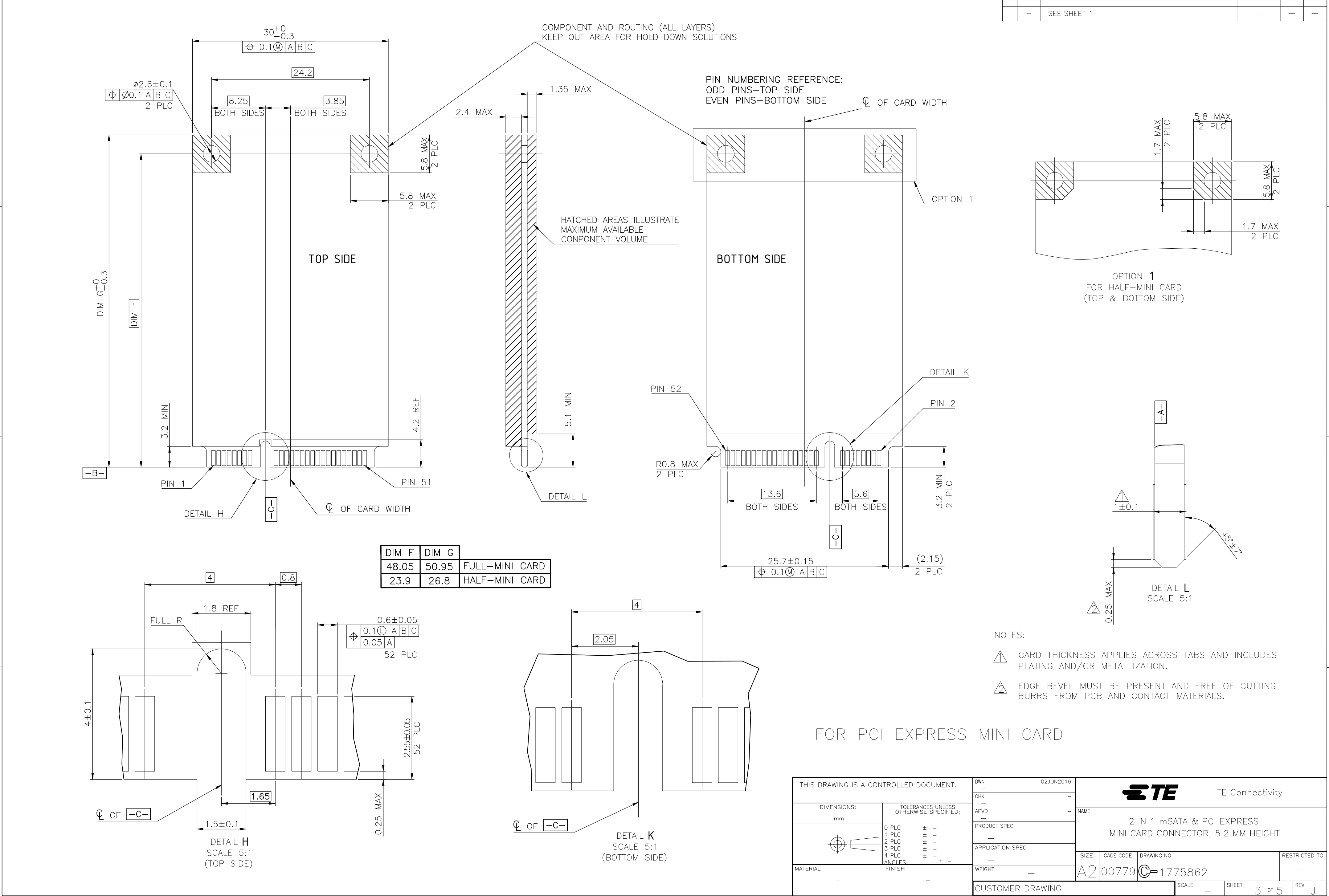


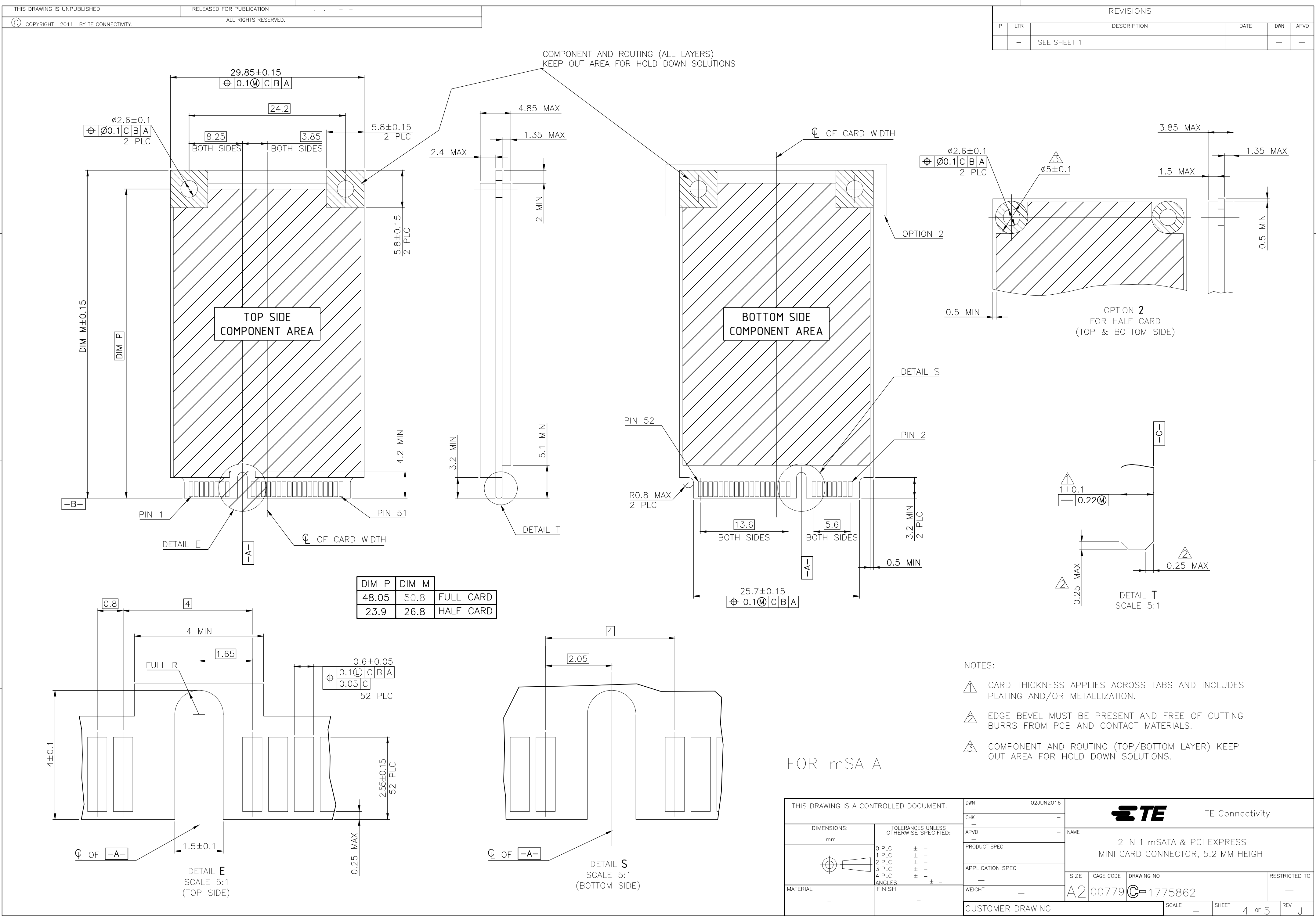
-D- IS THE TOP SURFACE OF PCB.
RECOMMENDED P.C. BOARD PATTERN LAYOUT
FOR HALF CARD CONNECTOR
(TOP VIEW)



-D- IS THE TOP SURFACE OF PCB.
RECOMMENDED P.C. BOARD PATTERN LAYOUT
FOR FULL CARD CONNECTOR
(TOP VIEW)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	02JUN2016		 TE Connectivity			
		CHK	—					
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 5.2 MM HEIGHT				
mm		APVD					—	
		PRODUCT SPEC					—	
		APPLICATION SPEC					—	
		WEIGHT					—	
		MATERIAL		FINISH		—		
—		—		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
				A2	00779	C=1775862	—	
CUSTOMER DRAWING				SCALE	SHEET		REV	
				—	2 of 5		J	





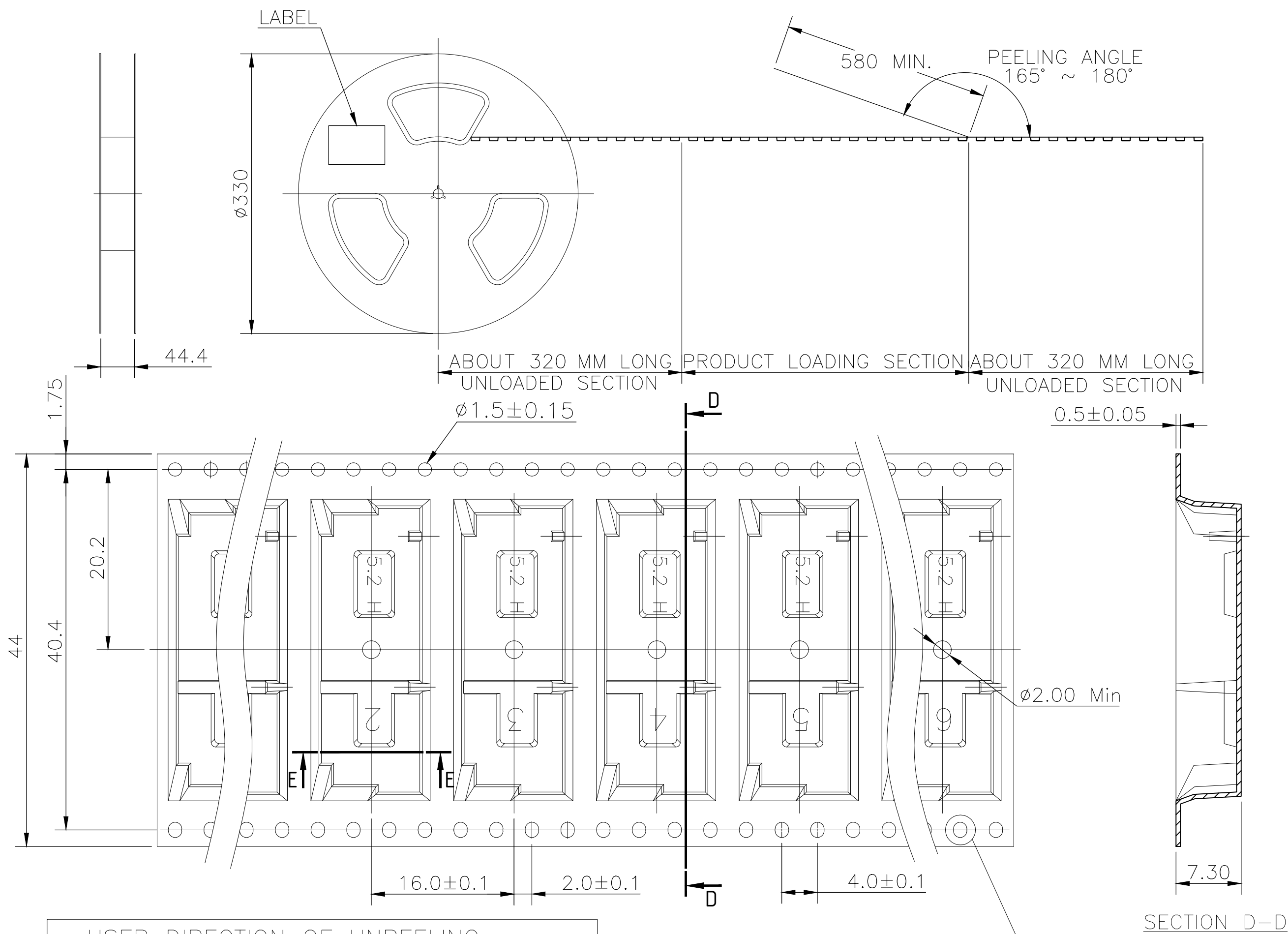
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—

D

C

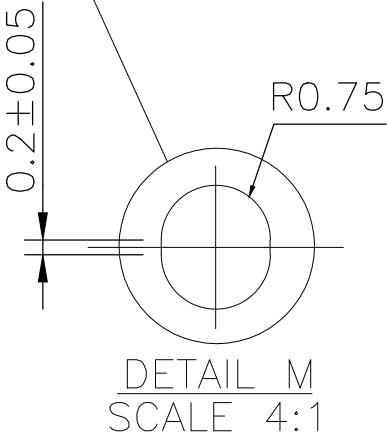
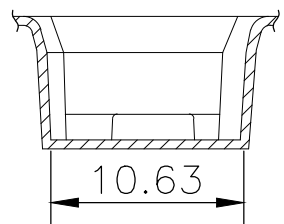
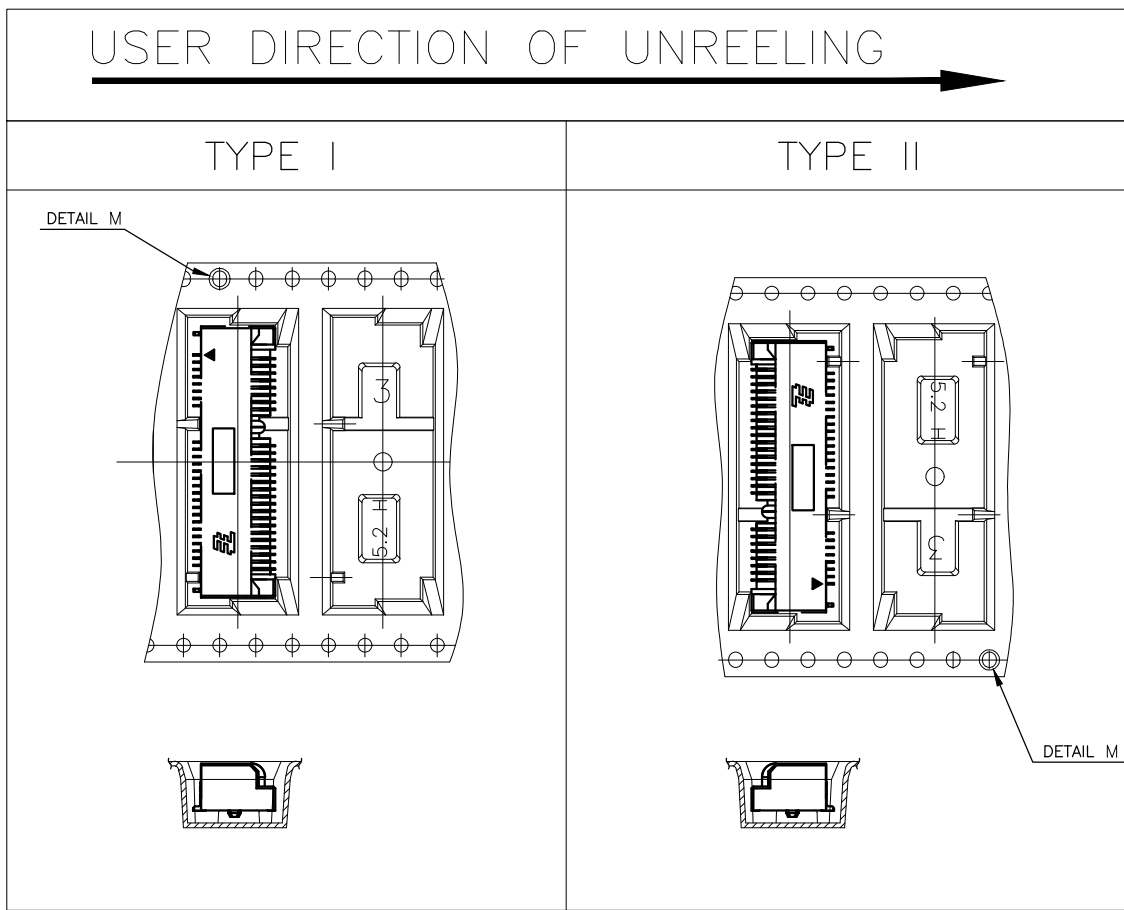
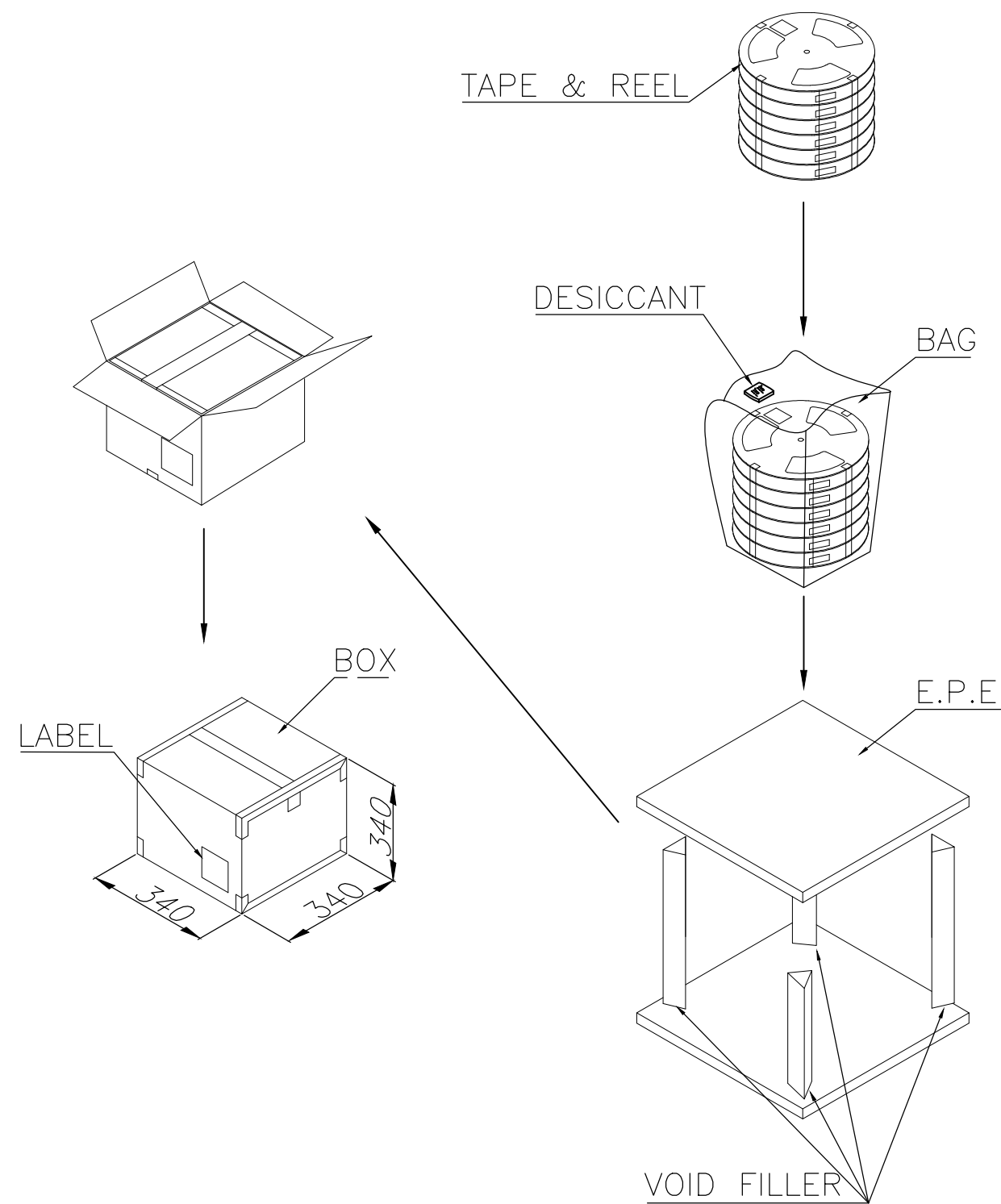
B

A



NOTES:

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



SECTION D-D

SECTION E-E

DETAIL M
SCALE 4:1

3300 PCS	550	6	9.96	5.08
QUANTITY	PCS/ TAPE	REELS/ BOX	G/W(Kg)	N/W(Kg)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	02JUN2016	TE TE Connectivity	
DIMENSIONS: mm		CHK	—		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	—	NAME	
0 PLC ± —		PRODUCT SPEC	—	2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 5.2 MM HEIGHT	
1 PLC ± —		APPLICATION SPEC	—		
2 PLC ± —		—	—	SIZE	CAGE CODE
3 PLC ± —		WEIGHT	—	A2	00779
4 PLC ± —		CUSTOMER DRAWING	—	DRAWING NO	C=1775862
FINISH		SCALE	—	SHEET	5 of 5
—		REV	J	RESTRICTED TO	

D

C

B

A

C-1775862