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RELEASED FOR PUBLICATION

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LOC
DW

DIST
—

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	ECR-11-018217	02SEP11	AW	WK

NOTES:

1. MATERIAL:
HOUSING: LCP WITH 40% 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: 2.54μm [100μ"] MIN. MATTE-TIN OVER 1.27μm [50μ"] MIN. NICKEL.

3. REFLOW SOLDER CAPABLE TO 260° PER TEC-109-201, CONDITION B.

4. SUBSTANCE RESTRICTIONS FOR LOW HALOGEN (BY WEIGHT):

- BROMINE (Br) ≤ 900 PPM (0.09%)
- CHLORINE (Cl) ≤ 900 PPM (0.09%)
- TOTAL CONCENTRATION OF CHLORINE (Cl) + BROMINE (Br) ≤ 1500 PPM (0.15%)

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

1471-9 (3/11)

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DIMENSIONS:
MM

MATERIAL
SEE NOTE

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± —
1 PLC	±0.3
2 PLC	±0.2
3 PLC	± —
4 PLC	± —
ANGLES	±3°

FINISH
SEE NOTE

DWN
A. WU
10MAY2010

CHK
S. CHIEN
10MAY2010

APVD
W. KODAMA
10MAY2010

PRODUCT SPEC
108-99102

APPLICATION SPEC

NAME

2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 6.8 MM HEIGHT

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=2041262

RESTRICTED TO
—

WEIGHT
2.22 GRAMS

CUSTOMER DRAWING

SCALE
—

SHEET
1 OF 5

REV
C

TE Connectivity

2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 6.8 MM HEIGHT

0.254μm [10μ"]	2041262-2
GOLD FLASH	2041262-1
MIN. GOLD THICKNESS	PART NUMBER

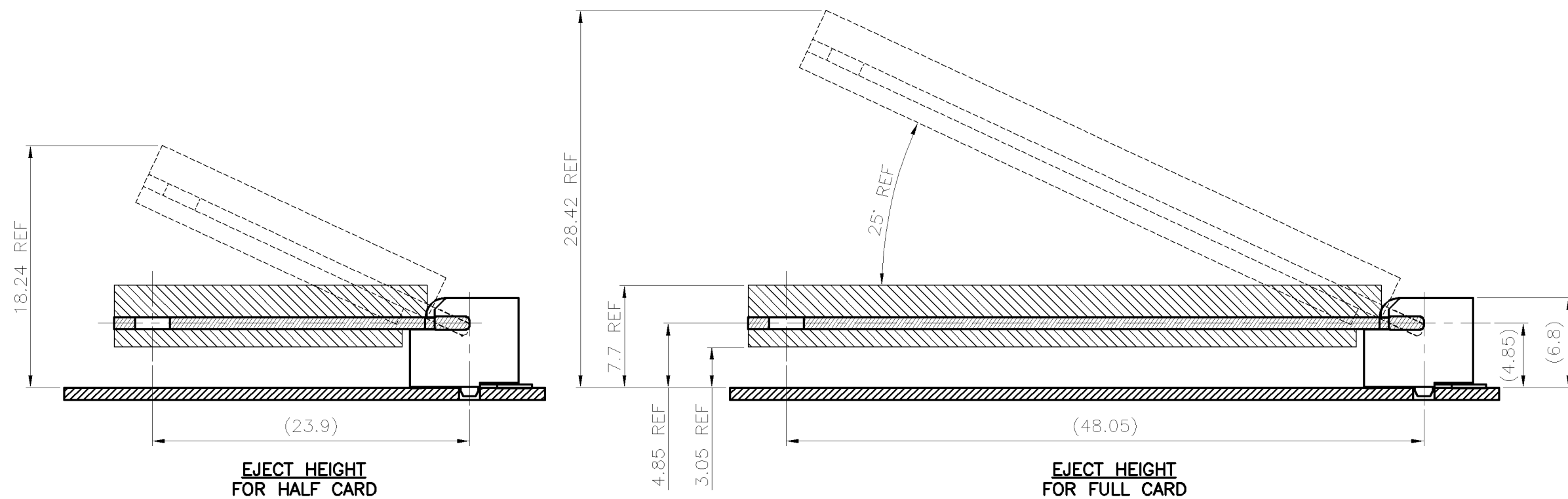
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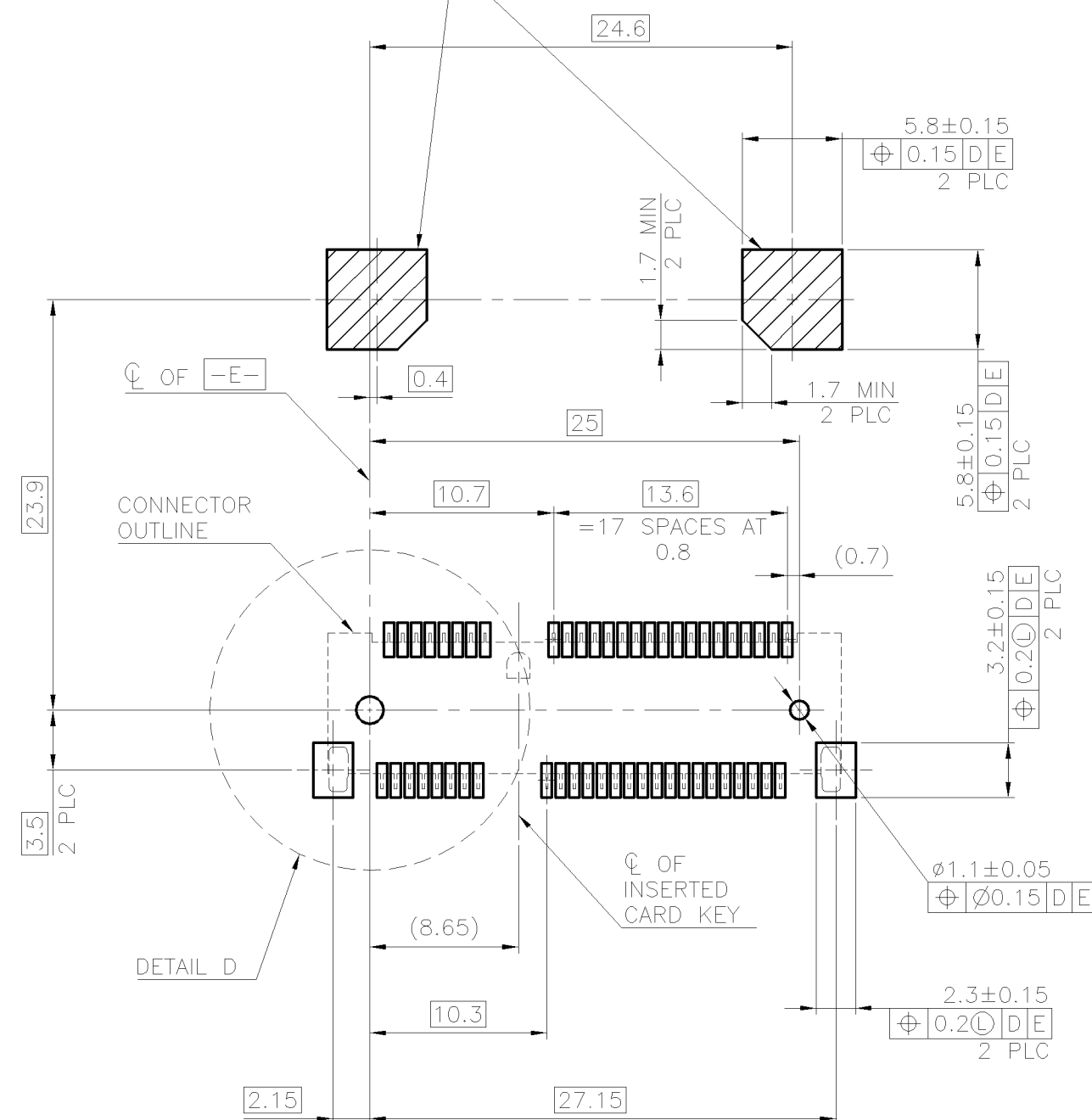
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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
DW	—			SEE SHEET 1			

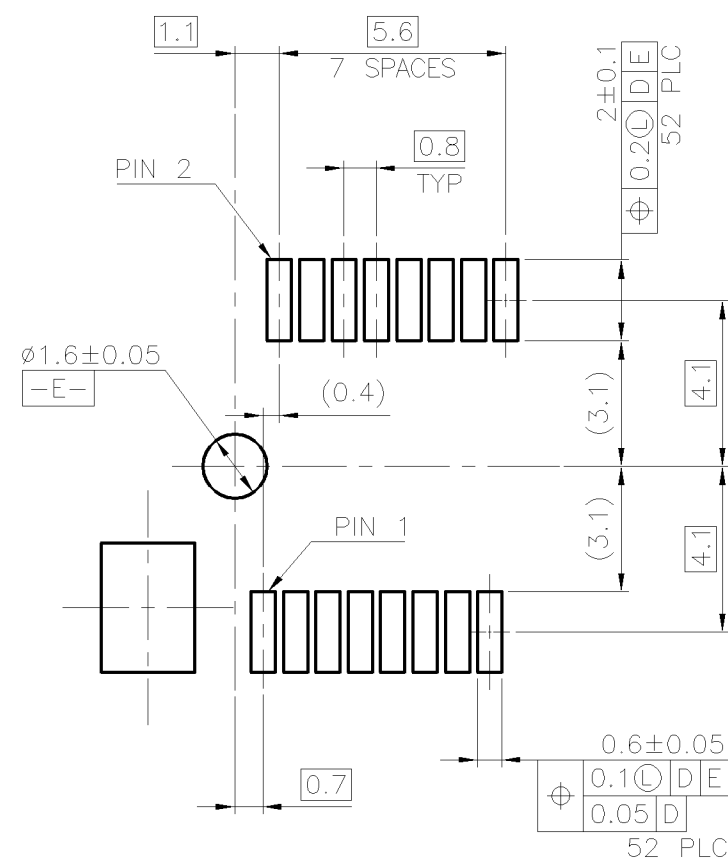


COMPONENT KEEP OUT AREA FOR
CARD HOLD DOWN SOLUTION

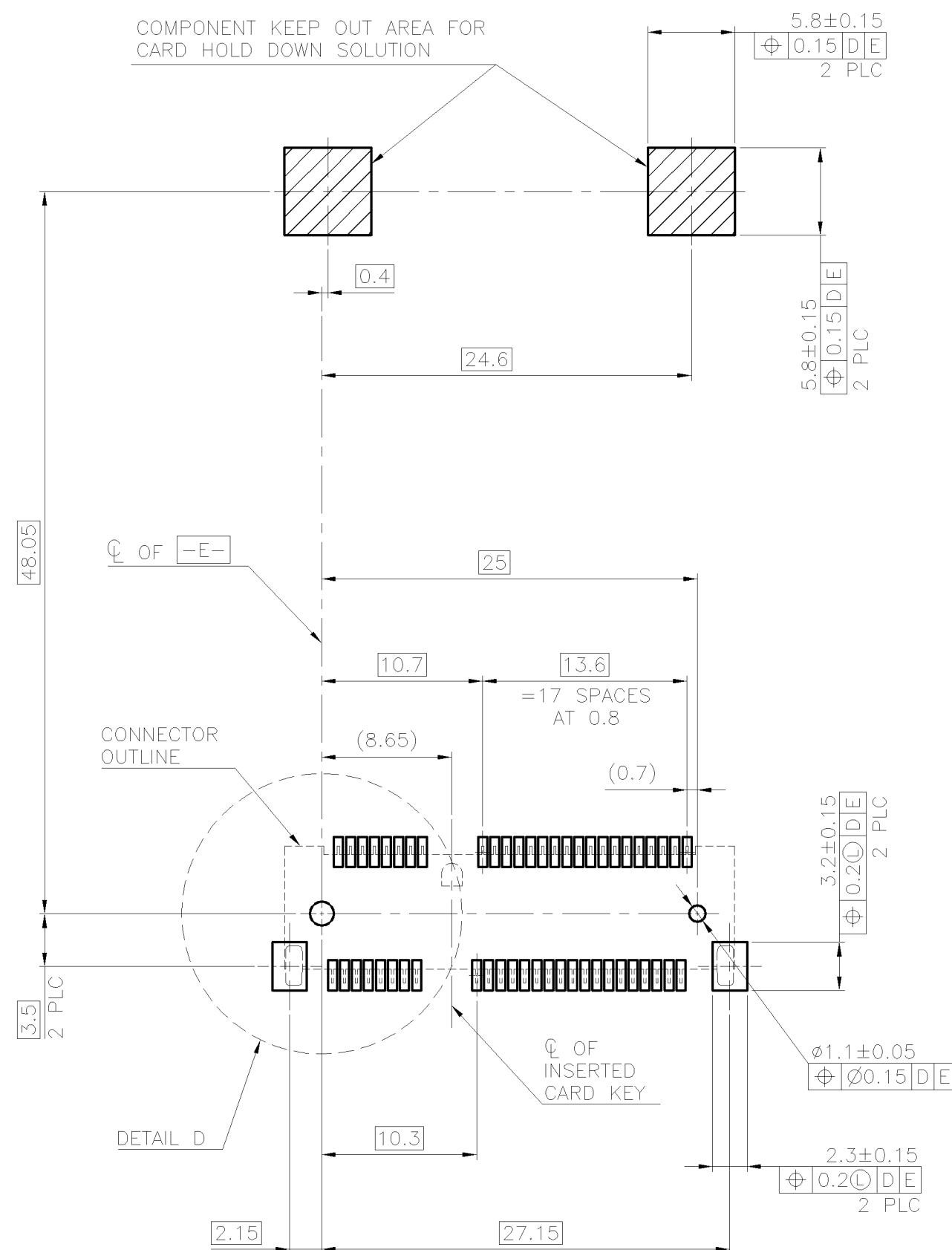
COMPONENT KEEP OUT AREA FOR
CARD HOLD DOWN SOLUTION



RECOMMENDED P.C. BOARD PATTERN LAYOUT
FOR HALF CARD CONNECTOR
(TOP VIEW)

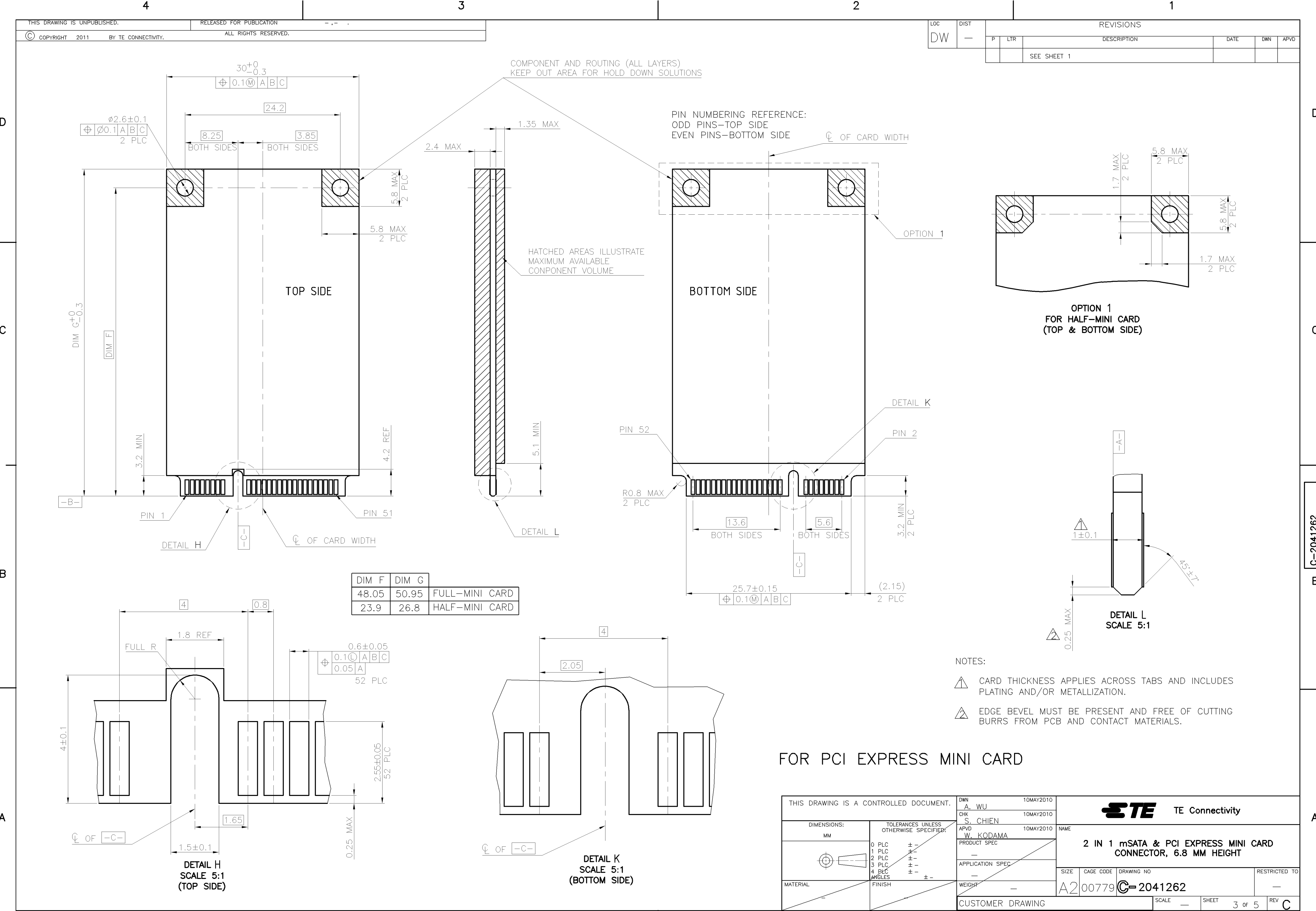


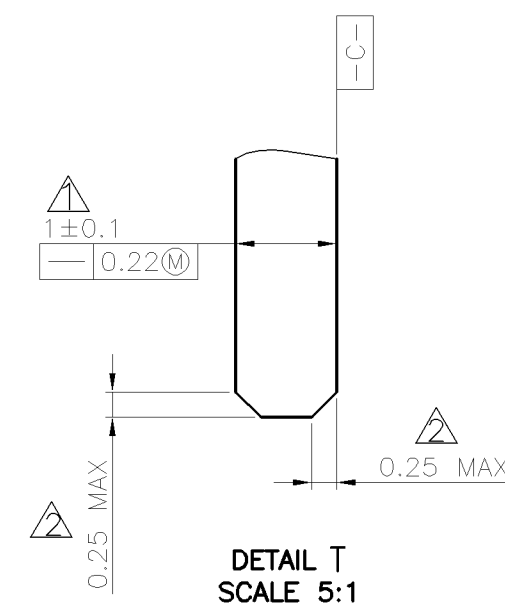
DETAIL D
SCALE 2:1



RECOMMENDED P.C. BOARD PATTERN LAYOUT
FOR FULL CARD CONNECTOR
(TOP VIEW)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WU	10MAY2010	TE Connectivity			
DIMENSIONS: MM		CHK S. CHIEN	10MAY2010				
		APVD W. KODAMA	10MAY2010	NAME			
		PRODUCT SPEC	—	2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 6.8 MM HEIGHT			
MATERIAL		FINISH	—	SIZE A2	CAGE CODE 00779	DRAWING NO C=2041262	RESTRICTED TO —
		WEIGHT	—	SCALE —	SHEET 2 OF 5	REV C	
		CUSTOMER DRAWING					





4.00

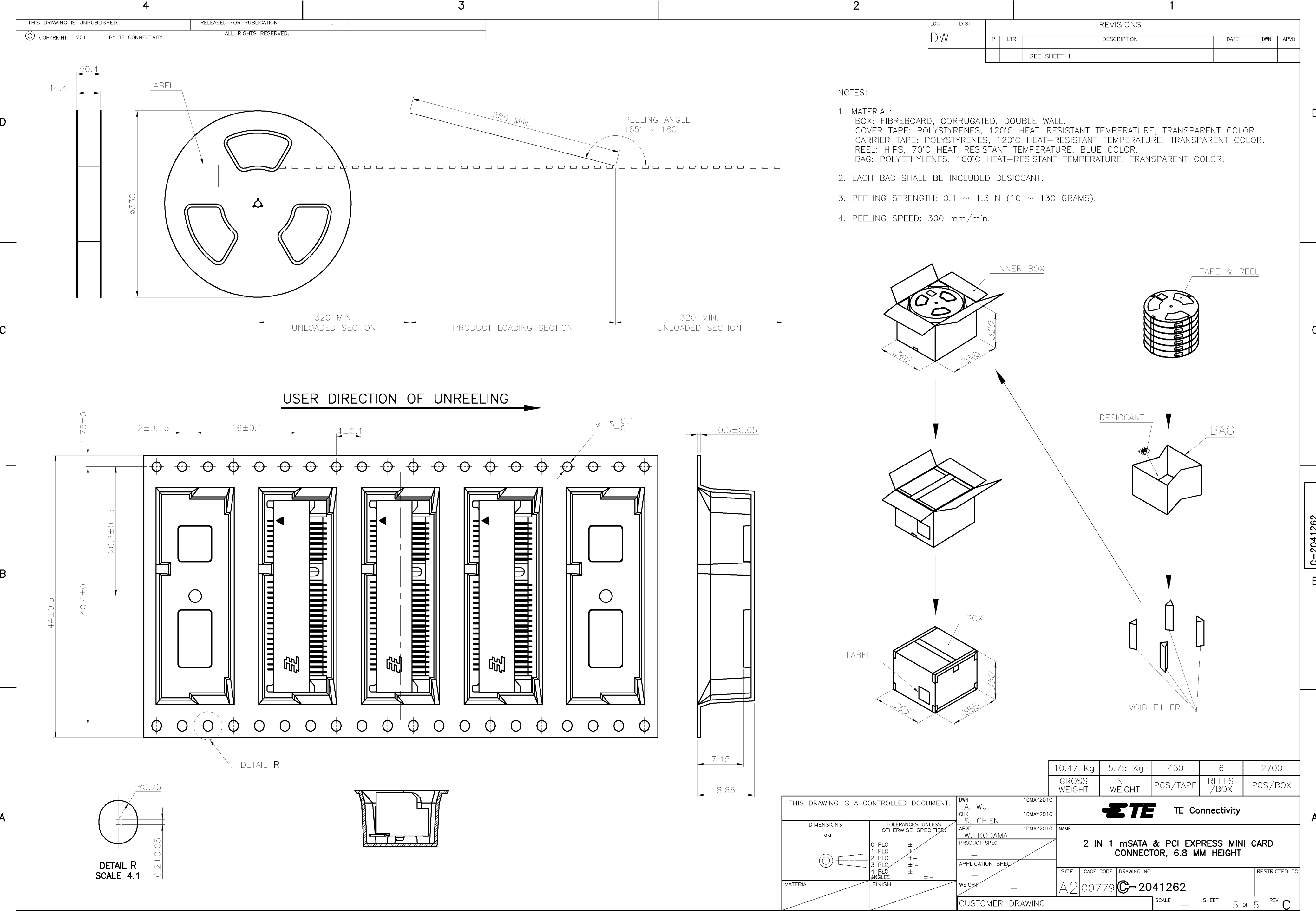
2.05

SECTION A-A

DETAIL S
SCALE 5:1
(BOTTOM SIDE)

FOR mSATA

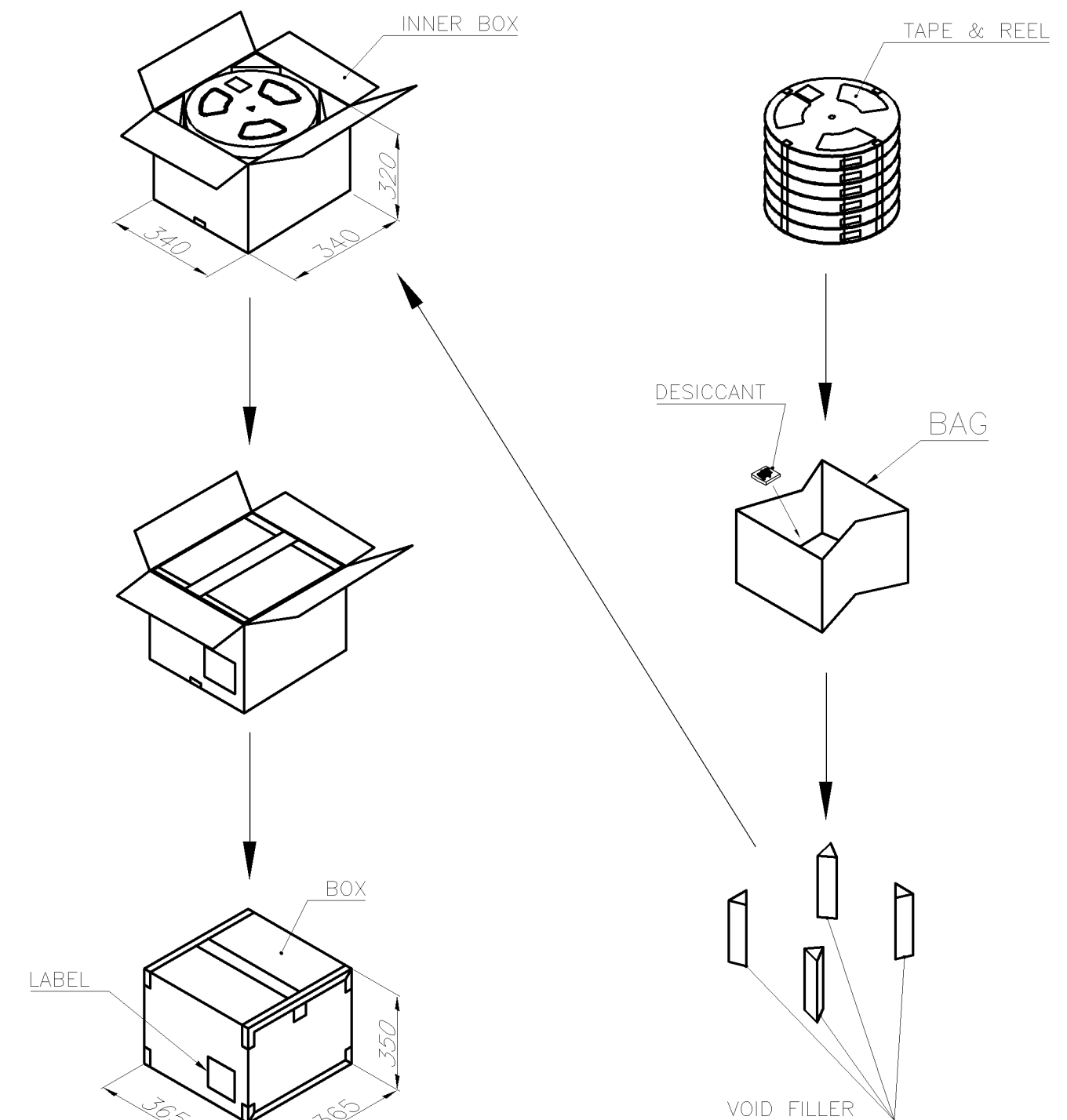
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WU 29MAR2011		 TE Connectivity			
		CHK S. CHIEN 29MAR2011					
DIMENSIONS: MM		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME			
		APVD W. KODAMA 29MAR2011		2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 6.8 MM HEIGHT			
		PRODUCT SPEC —					
		APPLICATION SPEC —					
		WEIGHT —					
MATERIAL		FINISH		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				A2	00779	C-2041262	—
		CUSTOMER DRAWING		SCALE		SHEET	REV
				—		4 of 5	C



LOC		DIST		REVISIONS			
DW		—		P	LTR	DESCRIPTION	DATE
				DWN	APVD		
				SEE SHEET 1			

NOTES:

1. MATERIAL:
BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.
COVER TAPE: POLYSTYRENES, 120°C HEAT-RESISTANT TEMPERATURE, TRANSPARENT COLOR.
CARRIER TAPE: POLYSTYRENES, 120°C HEAT-RESISTANT TEMPERATURE, TRANSPARENT COLOR.
REEL: HIPS, 70°C HEAT-RESISTANT TEMPERATURE, BLUE COLOR.
BAG: POLYETHYLENES, 100°C HEAT-RESISTANT TEMPERATURE, TRANSPARENT COLOR.
2. EACH BAG SHALL BE INCLUDED DESICCANT.
3. PEELING STRENGTH: 0.1 ~ 1.3 N (10 ~ 130 GRAMS).
4. PEELING SPEED: 300 mm/min.



10.47 Kg	5.75 Kg	450	6	2700
GROSS WEIGHT	NET WEIGHT	PCS/TAPE	REELS /BOX	PCS/BOX

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	10MAY2010	TE TE Connectivity	
		CHK	10MAY2010		
		APVD	10MAY2010	NAME	
		PRODUCT SPEC		2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 6.8 MM HEIGHT	
		APPLICATION SPEC			
		WEIGHT	—	SIZE	RESTRICTED TO
		CUSTOMER DRAWING		A2	—
		SCALE	—	SHEET	REV
				5 of 5	C

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