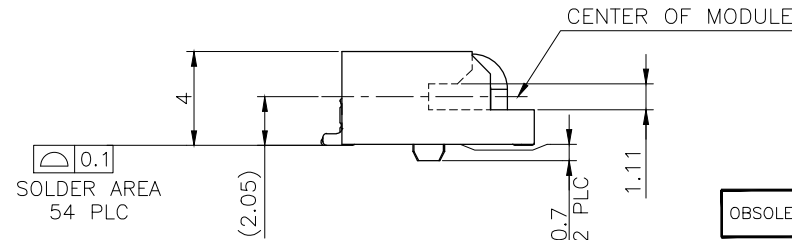
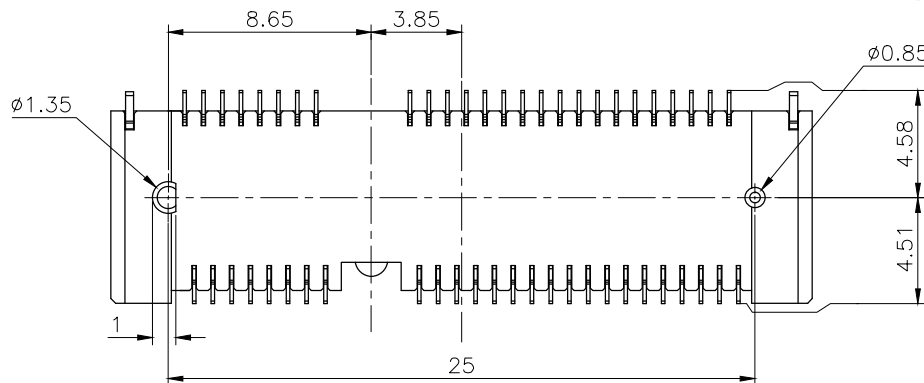
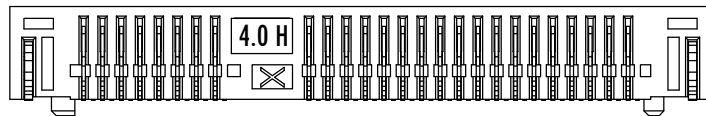
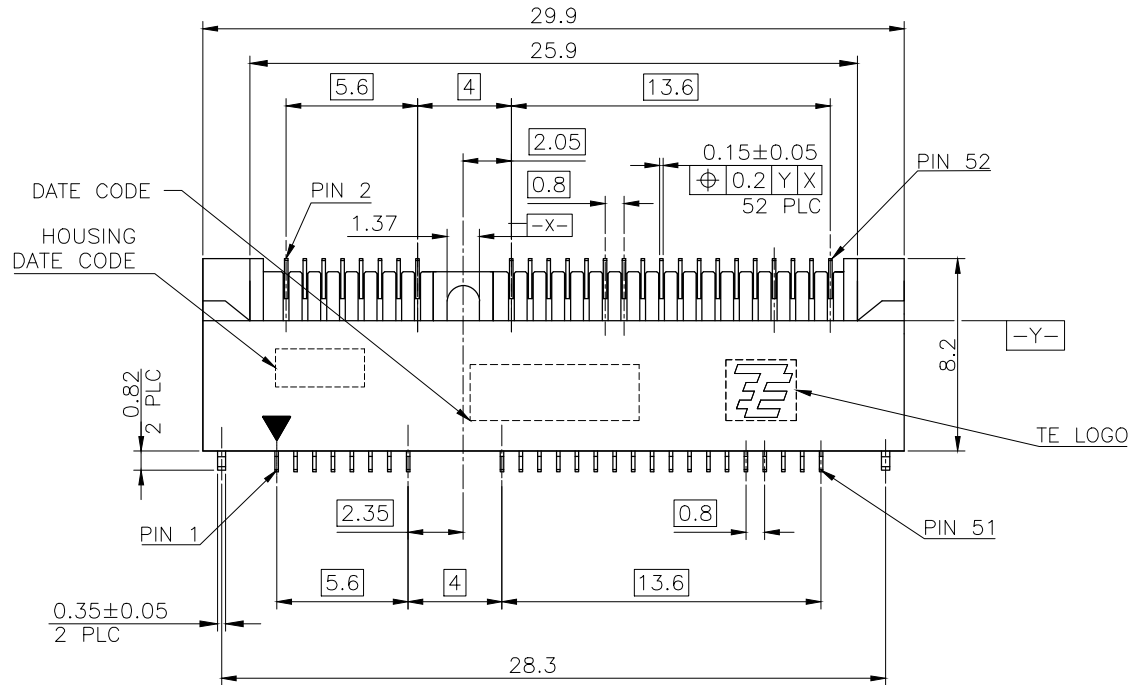


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
DW	—		F1	REVISED (ECR14-004907)	04AUG14	SW	HL

NOTES:

- MATERIAL:
HOUSING: LCP WITH 30% GF, UL 94V-0, BLACK COLOR.
CONTACTS: PHOSPHOR BRONZE.
PEGS: BRASS.
- FINISH:
CONTACTS: (SEE TABLE) GOLD PLATED ON CONTACT AREA, WITH GOLD FLASH OVER $1.27\mu\text{m}$ [$50\mu''$] MIN. NICKEL ON ENTIRE CONTACT.

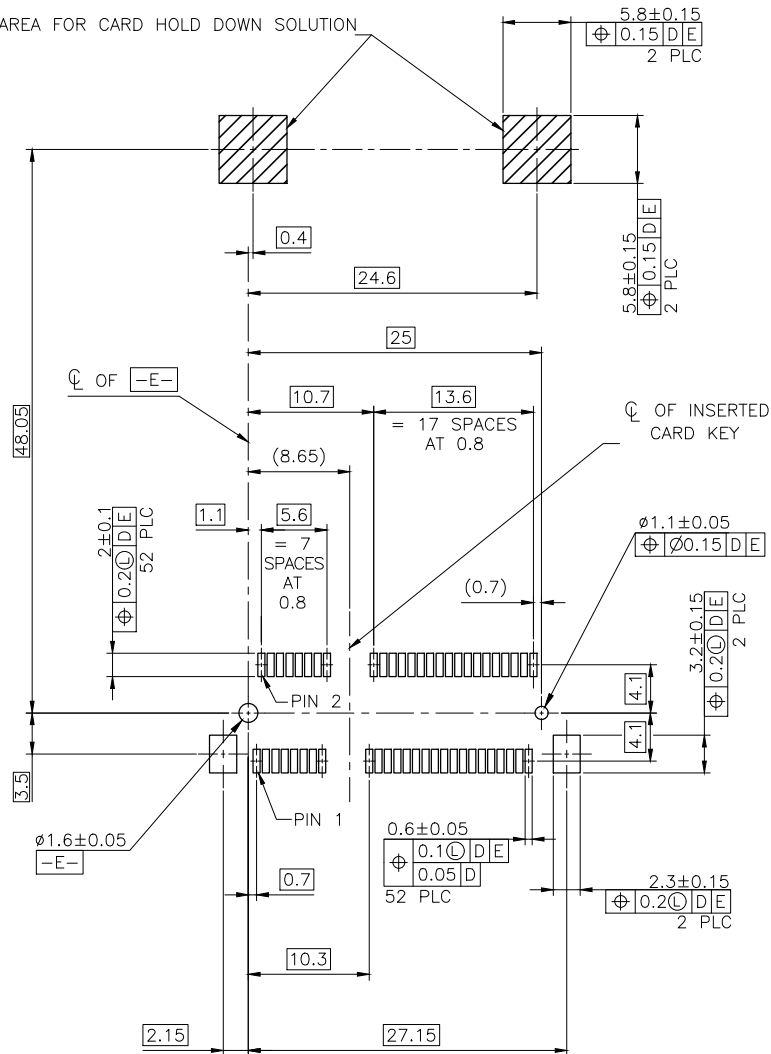
PEGS: $3.048\mu\text{m}$ [$120\mu''$] MIN. MATTE-TIN OVER $1.27\mu\text{m}$ [$50\mu''$] MIN. NICKEL.
- REFLOW SOLDER CAPABLE TO 260° PER TEC-109-201, CONDITION B.
- SUBSTANCE RESTRICTIONS FOR LOW HALOGEN (BY WEIGHT):
 - BROMINE (Br) $\leq$ 900 PPM (0.09%)
 - CHLORINE (Cl) $\leq$ 900 PPM (0.09%)
 - TOTAL CONCENTRATION OF CHLORINE (Cl) + BROMINE (Br) $\leq$ 1500 PPM (0.15%)



OBSOLETE	TYPE II	$0.254\mu\text{m}$ — [$10\mu''$]	1-1775861-3
		GOLD FLASH	1-1775861-2
OBSOLETE	TYPE I	$0.0762\mu\text{m}$ [$5\mu''$]	1775861-4
		GOLD FLASH	1775861-2
OBSOLETE		$0.254\mu\text{m}$ — [$10\mu''$]	—1775861-1
	PACKING TYPE	MIN. GOLD THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.				TE Connectivity			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 4 MM HEIGHT	
MM		0 PLC $\pm$ —		SIZE		CAGE CODE	
		1 PLC ± 0.3		DRAWING NO		RESTRICTED TO	
		2 PLC ± 0.2		WEIGHT		SCALE	
		3 PLC $\pm$ —		1.172 GRAMS		SHEET	
		4 PLC $\pm$ —		A2 00779 C=1775861		1 of 4	
		ANGLES $\pm$ °		CUSTOMER DRAWING		REV F1	
MATERIAL		FINISH					
SEE NOTE		SEE NOTE					

COMPONENT KEEP OUT AREA FOR CARD HOLD DOWN SOLUTION



-D- IS THE TOP SURFACE OF PCB.

RECOMMENDED P.C. BOARD PATTERN LAYOUT
(TOP VIEW)

CONNECTOR PIN-OUT DEFINITIONS

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)

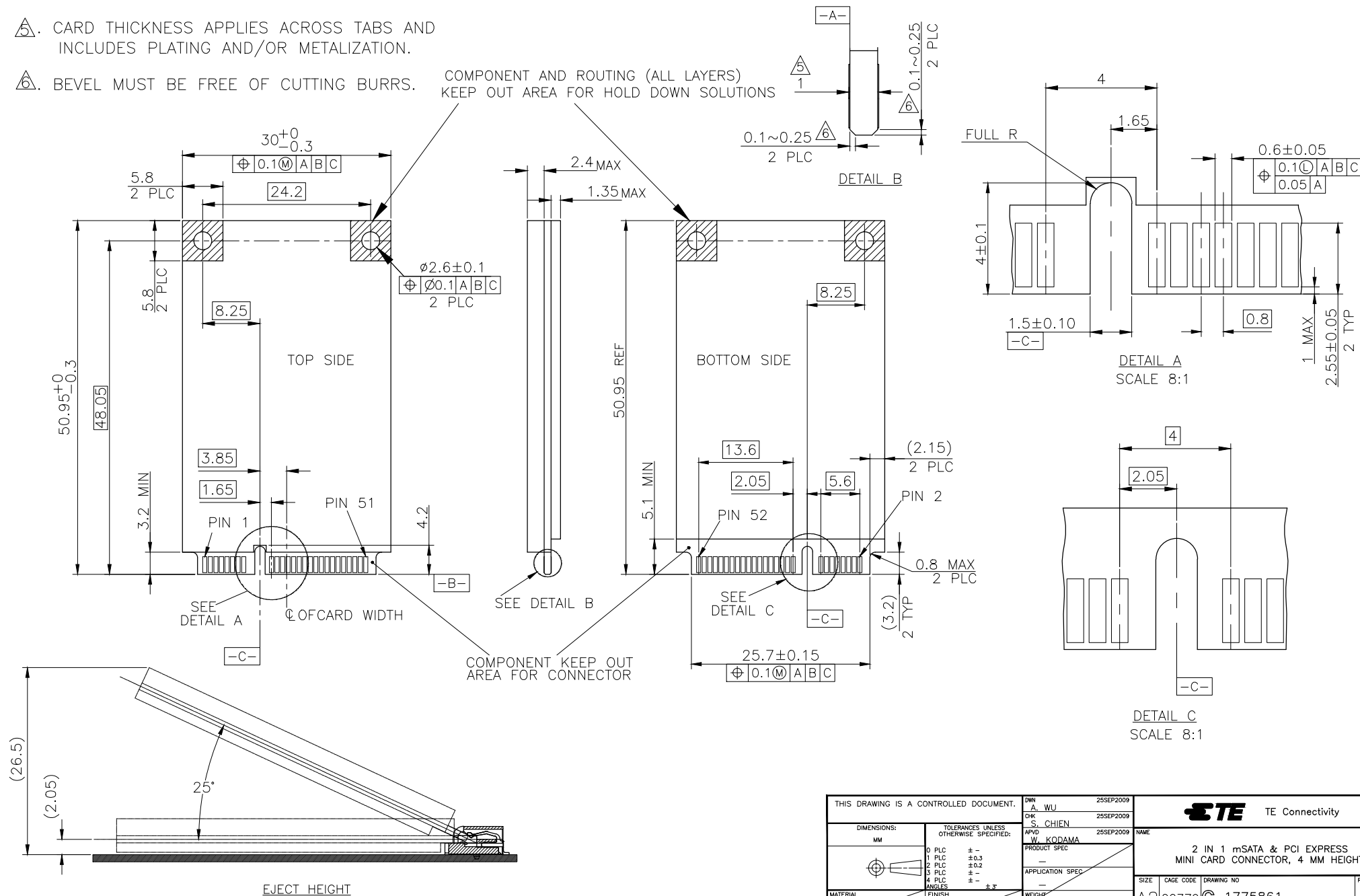
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN A. WU 25SEP2009	TE Connectivity	
DIMENSIONS: MM		CHK S. CHIEN 25SEP2009	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. KODAMA 25SEP2009	PRODUCT SPEC	
0 PLC ± -		APPLICATION SPEC		
1 PLC ±0.3		SIZE		
2 PLC ±0.2		CAGE CODE		
3 PLC ± -		DRAWING NO		
4 PLC ± -		RESTRICTED TO		
ANGLES ± °		A2 00779 C=1775861		
MATERIAL		WEIGHT		
FINISH		CUSTOMER DRAWING		
		SCALE		
		SHEET 2 of 4		
		REV F1		

4. PCI EXPRESS MINI CARD, PCB THICKNESS 1 MM.

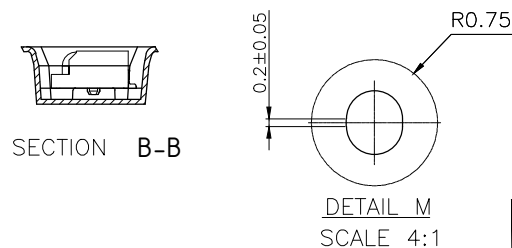
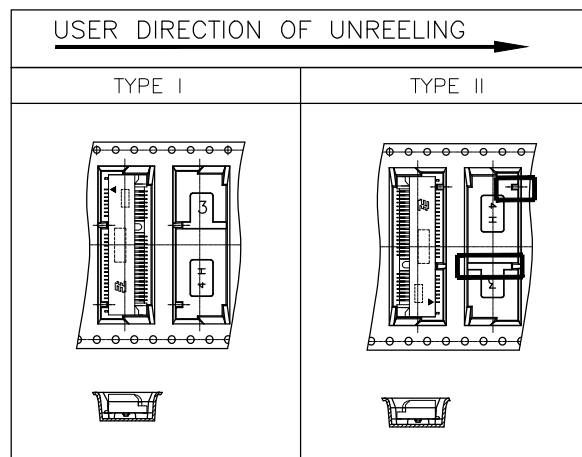
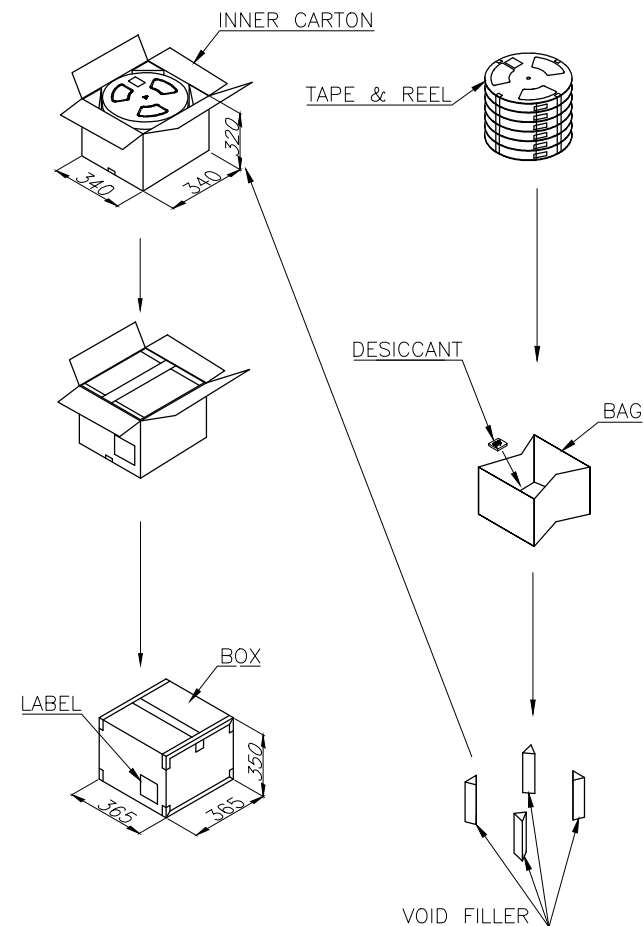
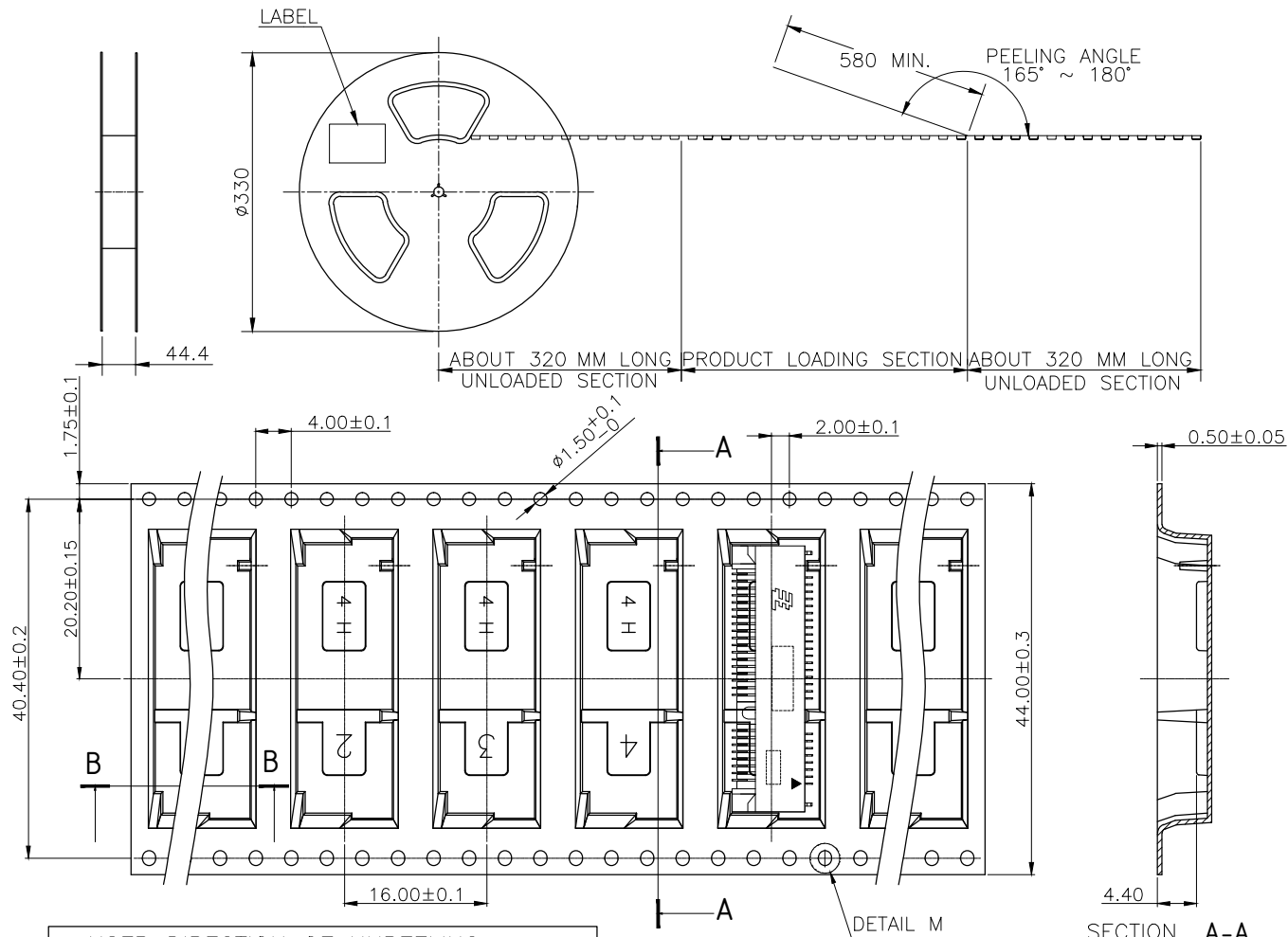
5. CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING AND/OR METALIZATION.

⑥. BEVEL MUST BE FREE OF CUTTING BURRS.

COMPONENT AND ROUTING (ALL LAYERS)
KEEP OUT AREA FOR HOLD DOWN SOLUTIONS



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WU 25SEP2009 CHK S. CHIEN 25SEP2009 APD W. KODAMA 25SEP2009		 TE Connectivity	
DIMENSIONS: MM 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ±0.3 2 PLC ±0.2 3 PLC ± - 4 PLC ± - ANGLES ± 30°		NAME	
MATERIAL FINISH 		PRODUCT SPEC — APPLICATION SPEC —		2 IN 1 mSATA & PCI EXPRESS MINI CARD CONNECTOR, 4 MM HEIGHT	
		SIZE A2		GAGE CODE 00779	DRAWING NO C-1775861
		WEIGHT —		RESTRICTED TO —	
		CUSTOMER DRAWING		SCALE — SHEET 3 OF 4 REV F1	



3900 PCS	650	6	9.5	4.618
QUANTITY	PCS/ TAPE	REELS/ BOX	G/W(Kg)	N/W(Kg)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN — CHK — APVD —		 TE Connectivity	
DIMENSIONS: MM		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — 5 MSLPS ± —		PRODUCT SPEC — APPLICATION SPEC —	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO A2 00779 C-1775861	
WEIGHT		CUSTOMER DRAWING		RESTRICTED TO —	
				SCALE — SHEET 4 of 4 REV 1	