



EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	J	REVISED PER ECR-17-015104	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 TE TEST SPEC. 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

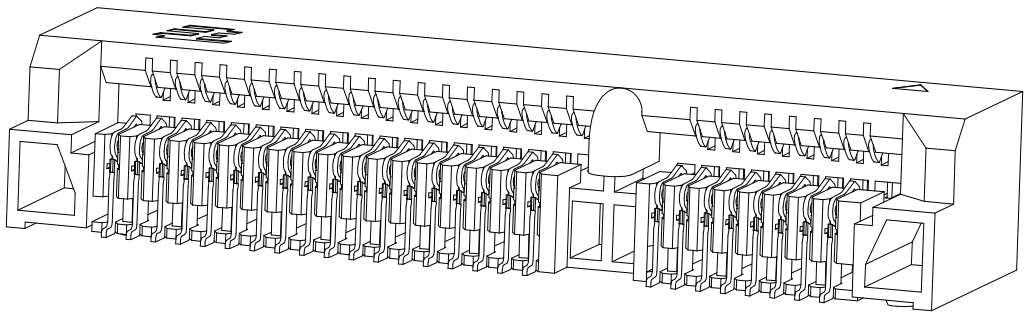
* Reserved for future UIM interface (if needed)

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	1775838-6
	TYPE II	0.254μm [10μ"]	-1775838-3-
OBSOLETE	TYPE I	GOLD FLASH	1775838-2
		0.254μm [10μ"]	-1775838-1-
	PACKING TYPE	MIN. GOLD THICKNESS	PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

FINISH

-

DWN
A. WU
25SEP2009

CHK
S. CHIEN
25SEP2009

APVD
W. KODAMA
25SEP2009

PRODUCT SPEC
108-99102

APPLICATION SPEC
-

WEIGHT
1.172 GRAMS

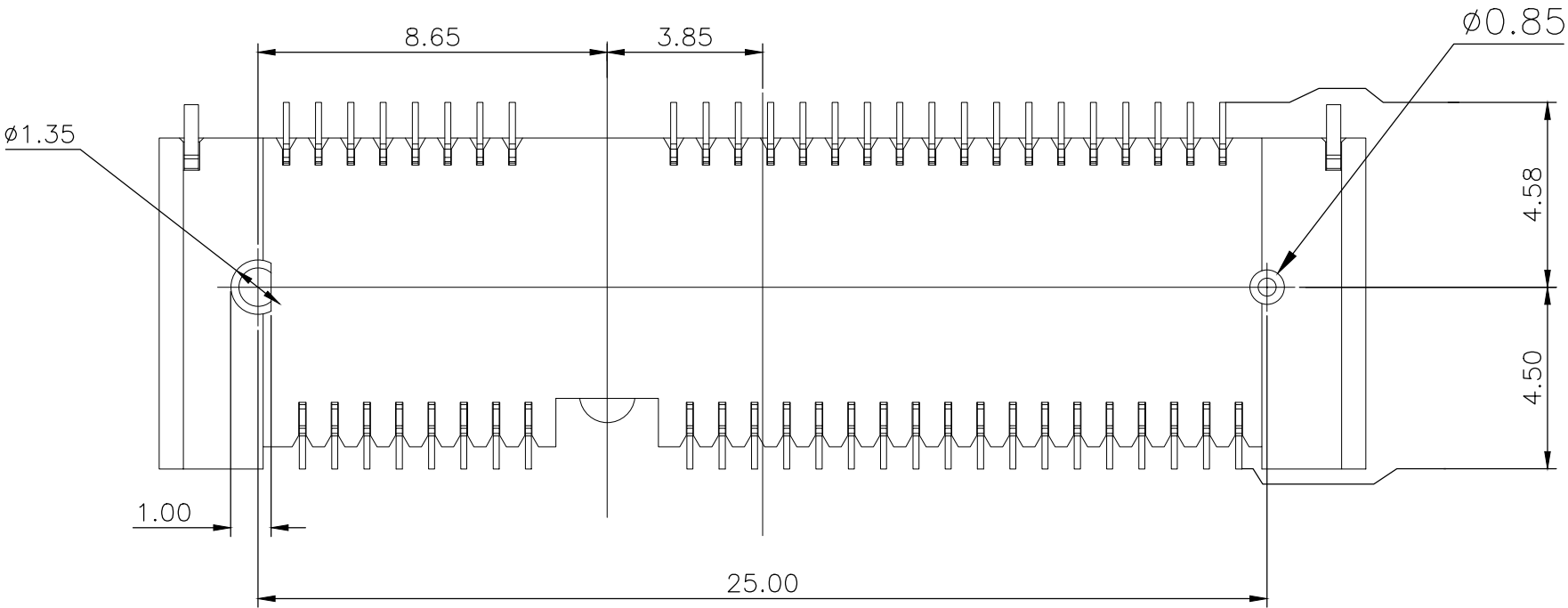
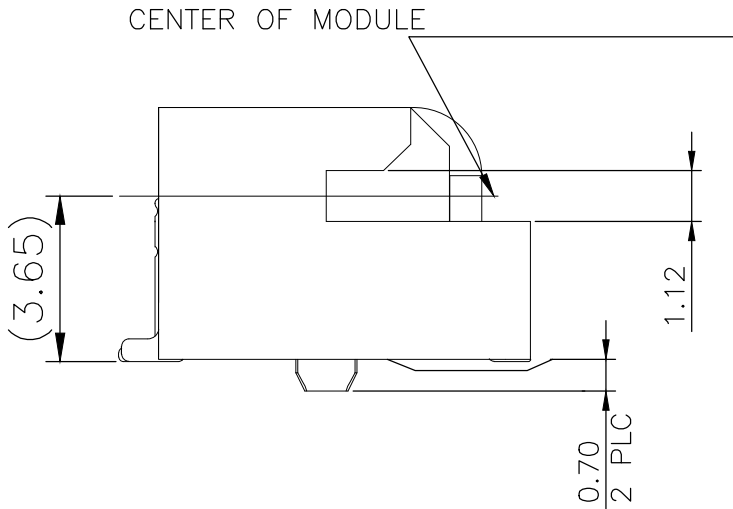
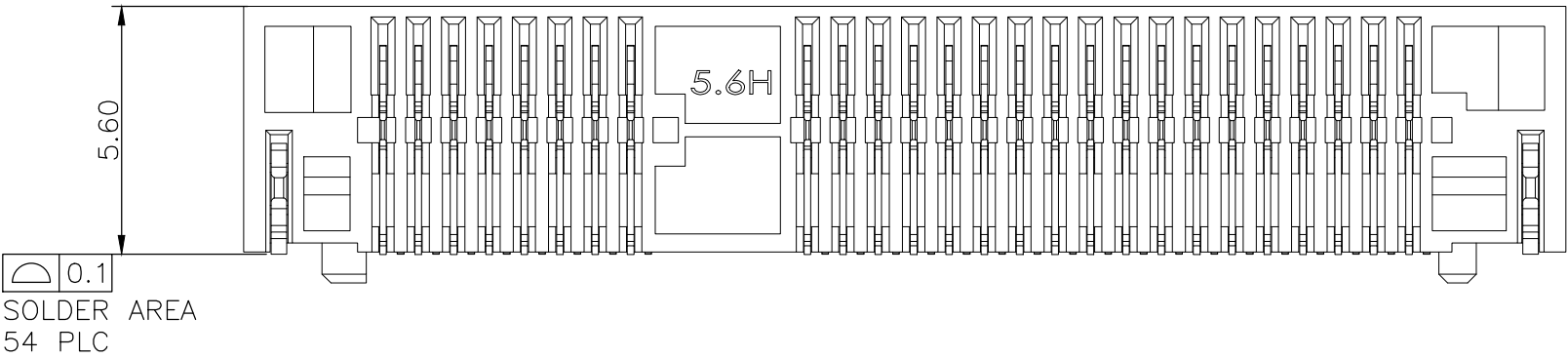
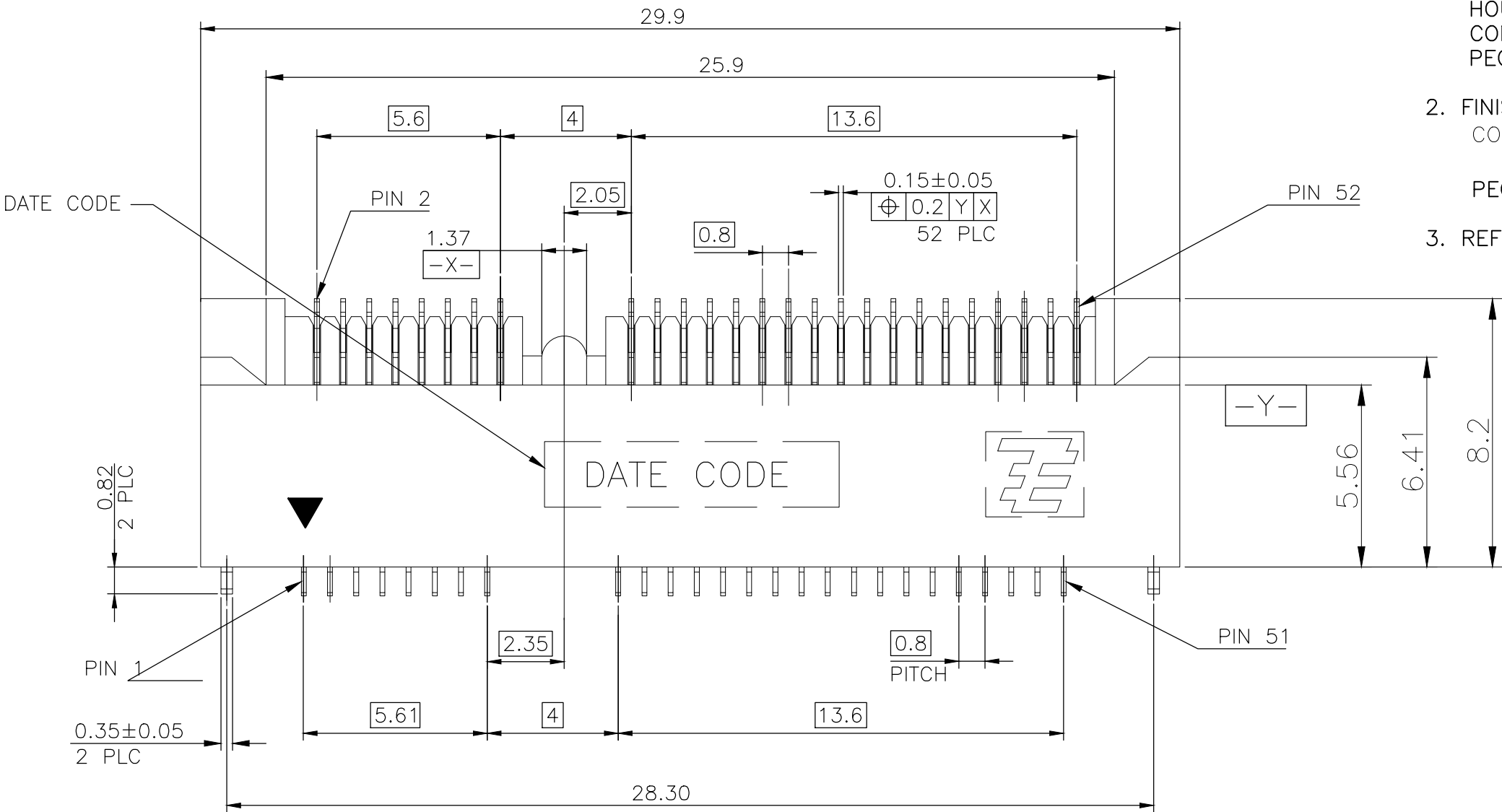
CUSTOMER DRAWING

TE Connectivity

NAME
2 IN 1 mSATA & PCI EXPRESS
MINI CARD CONNECTOR, 5.6 MM HEIGHT

SIZE A2	CAGE CODE 00779	DRAWING NO C=1775838	RESTRICTED TO -
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SCALE -	SHEET 1 of 5	REV J
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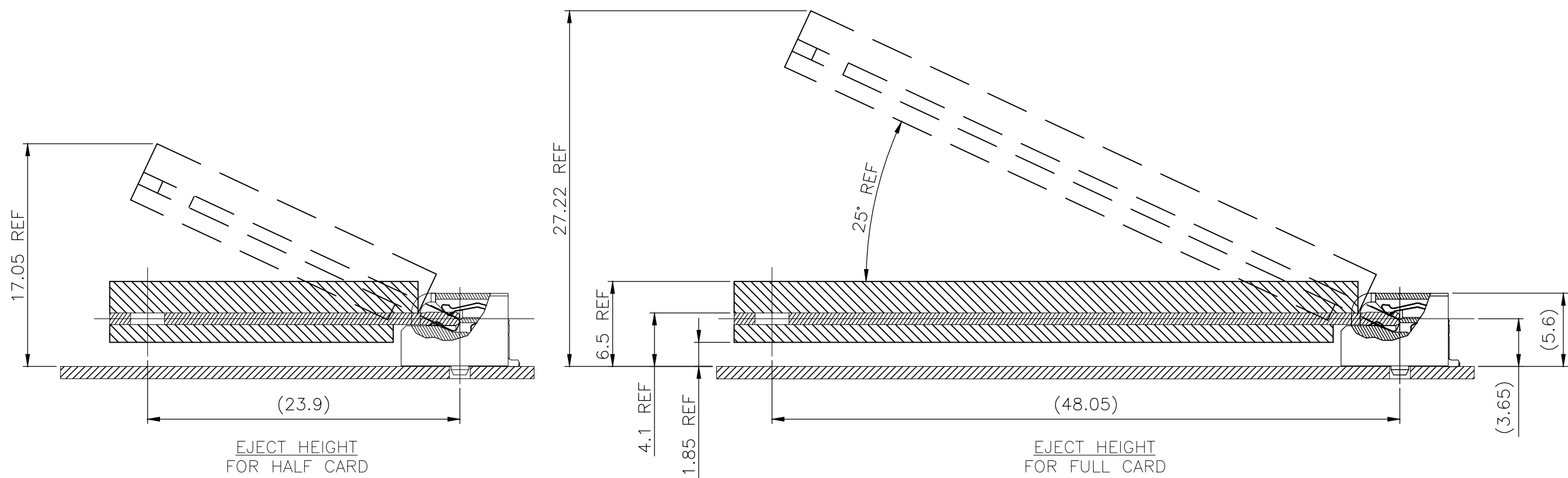
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—

D

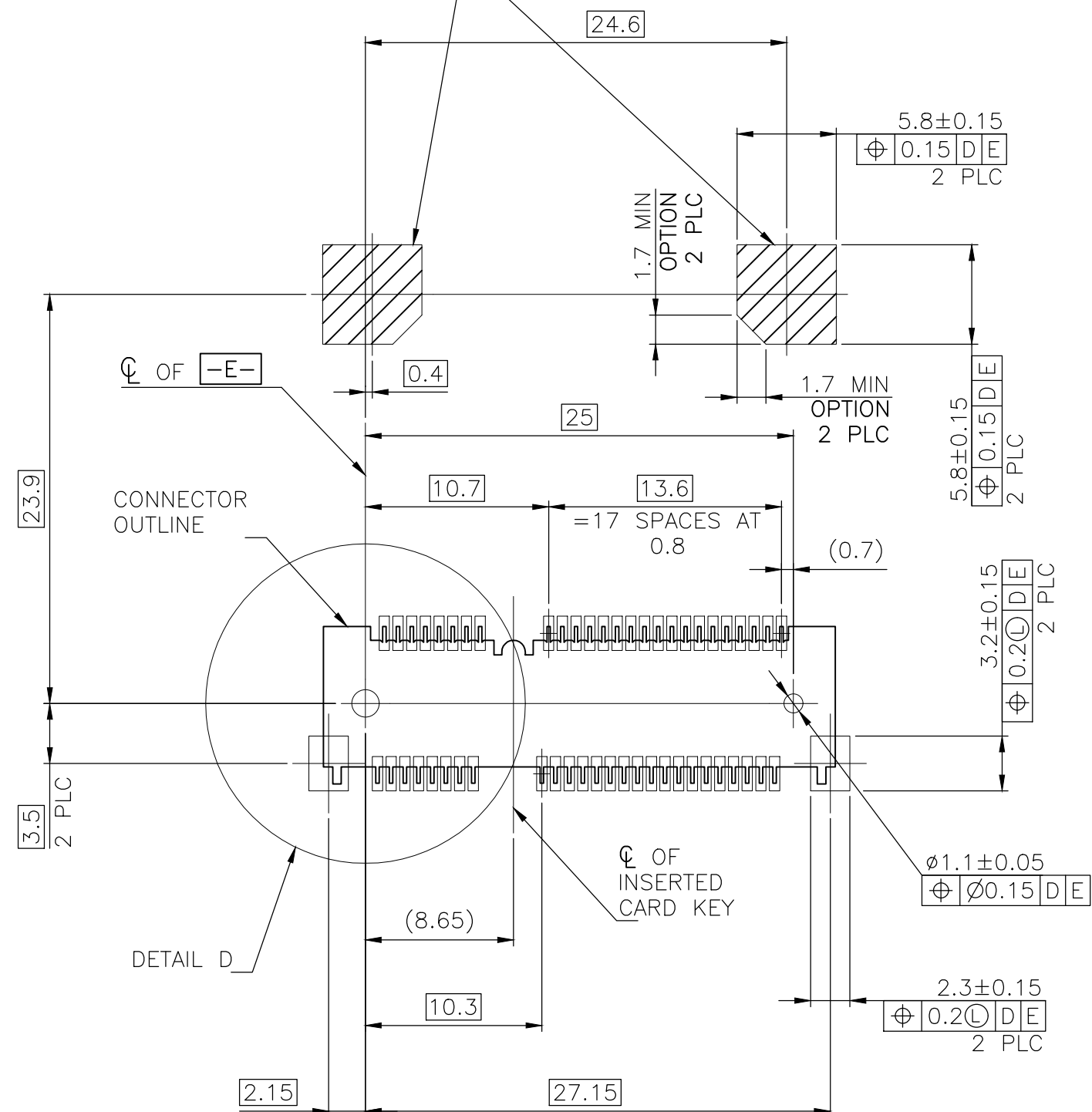
C

B

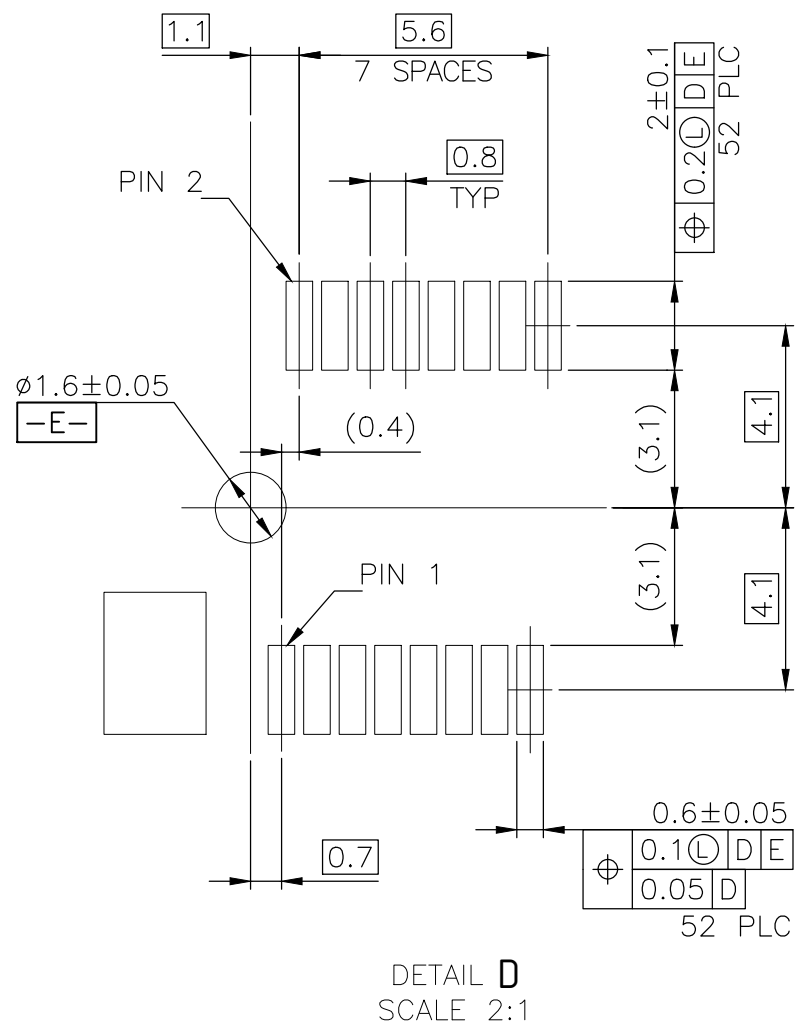
A



COMPONENT KEEP OUT AREA FOR
CARD HOLD DOWN SOLUTION

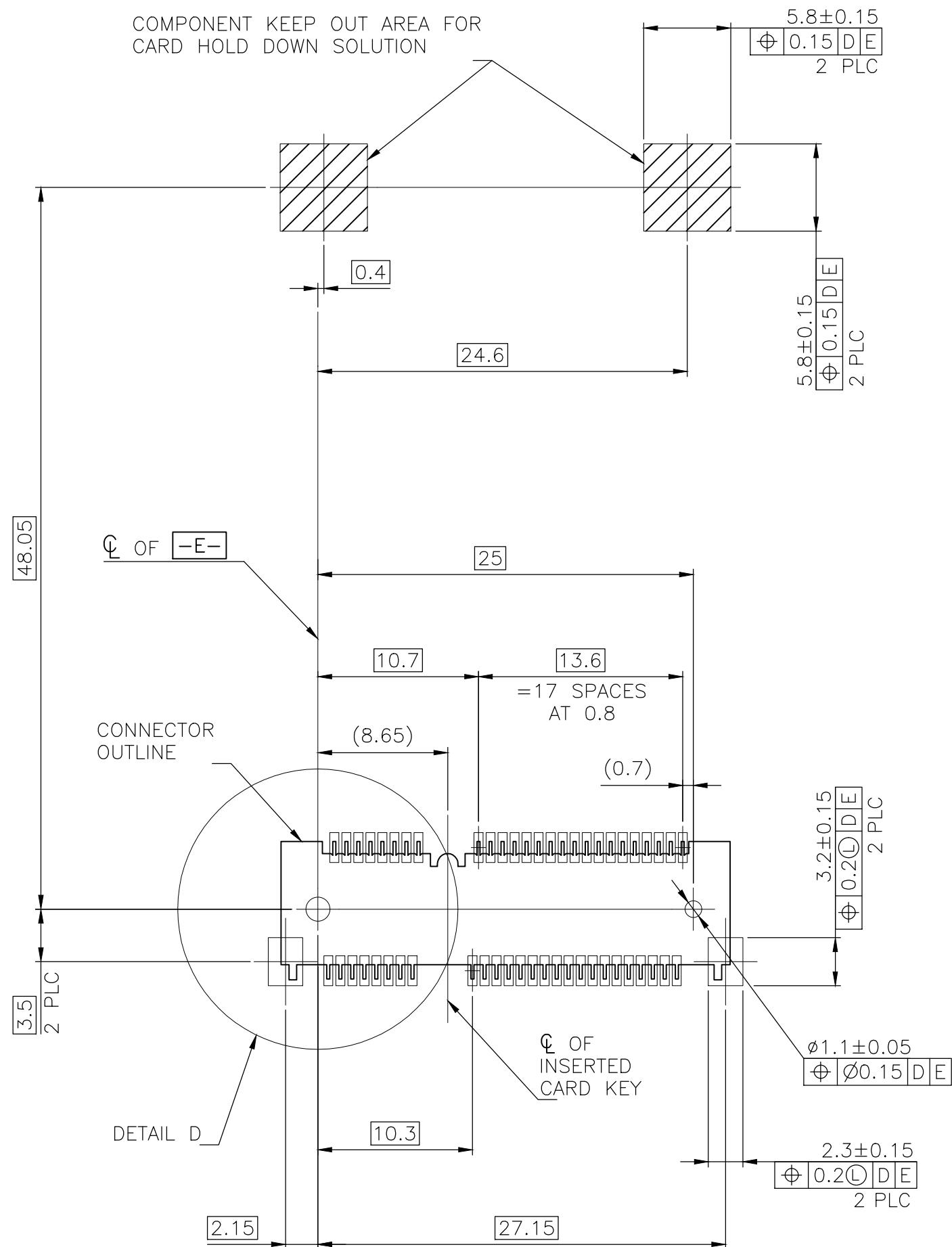


—D— IS THE TOP SURFACE OF PCB.
RECOMMENDED P.C. BOARD PATTERN LAYOUT
FOR HALF CARD CONNECTOR
(TOP VIEW)



DETAIL D
SCALE 2:1

COMPONENT KEEP OUT AREA FOR
CARD HOLD DOWN SOLUTION



—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	01JUN2016	TE Connectivity	
		CHK	—		
DIMENSIONS:		APVD	—	NAME	
mm		PRODUCT SPEC	—		
		APPLICATION SPEC	—	SIZE	
		WEIGHT	—		
MATERIAL		FINISH	—	CAGE CODE	DRAWING NO
				A2 00779	C=1775838
				CUSTOMER DRAWING	RESTRICTED TO
				SCALE	SHEET
				—	2 of 5
					REV J

