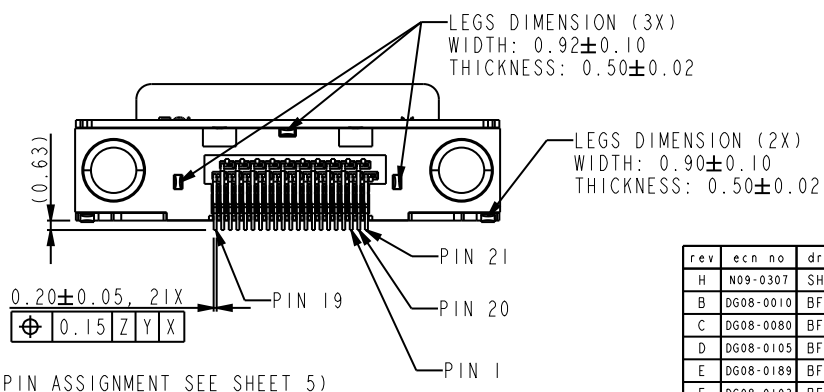
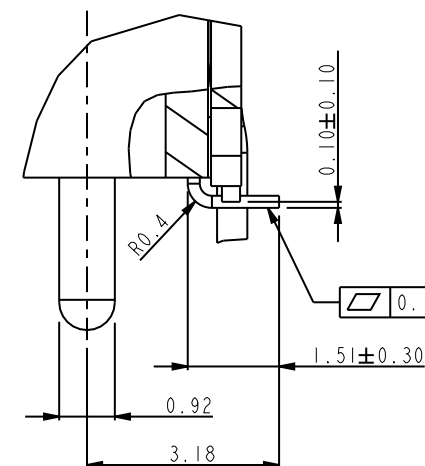
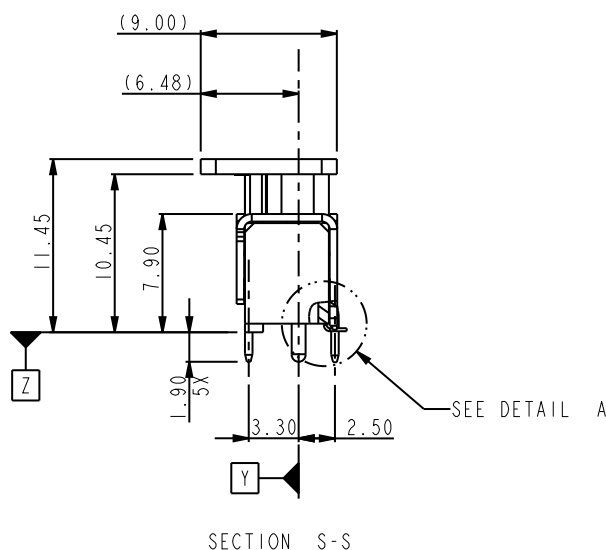
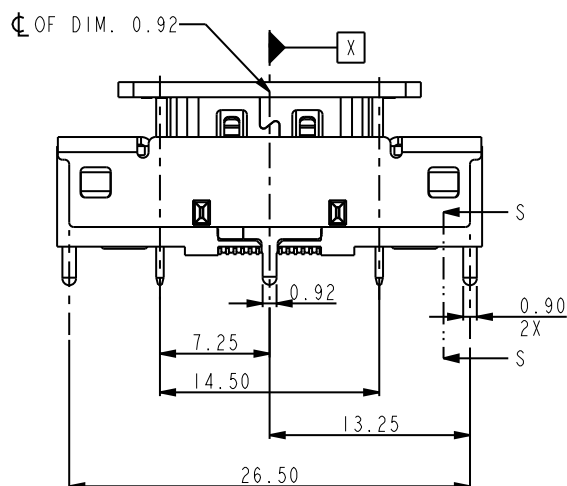
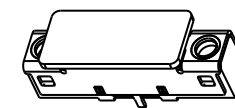
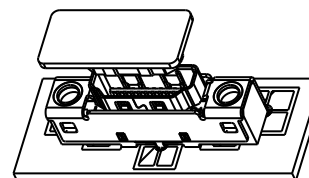
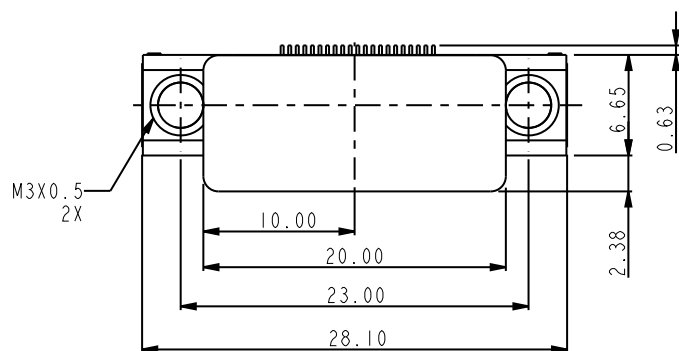


PART NUMBER	CONTACT AREA PLATING
10078837-001LF	0.75um GOLD
10078837-001FLF	GOLD FLASH



LEGS DIMENSION (3X)
WIDTH: 0.92±0.10
THICKNESS: 0.50±0.02

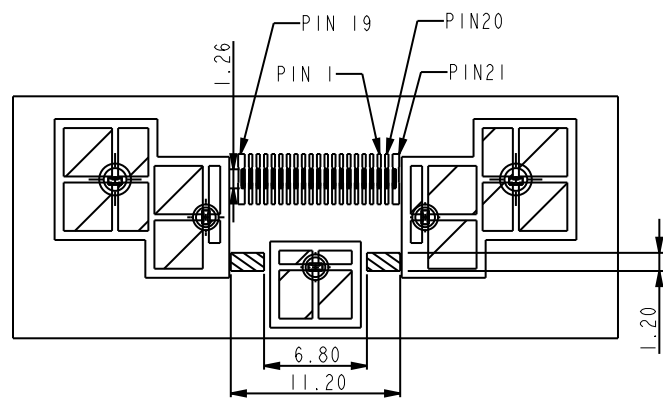
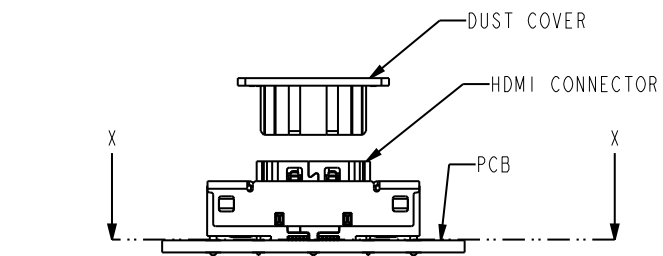
LEGS DIMENSION (2X)
WIDTH: 0.90±0.10
THICKNESS: 0.50±0.02

rev	ecn no	dr	date
H	N09-0307	SH	102109
B	DG08-0010	BF	122407
C	DG08-0080	BF	040808
D	DG08-0105	BF	050508
E	DG08-0189	BF	072108
F	DG08-0193	BF	072908
G	N09-0142	BF	051209

www.fciconnect.com			surface - 		tolerance std		projection 		 MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	BEER FU	061107	ANGULAR	LINEAR	0.X	±0.30	size A4	Scale 1.000		
Eng	BEER FU	061107			0.XX	±0.15				
Chr	PAUL WANG	061107			0.XXX	±0.08				
Appr	JOSEPH HSIA	061107	Product family -				ECN N09-0142			
			Spec ref *							
	title ASSEMBLY HDMI BOARD CONNECTOR, VERTICAL TYPE				dwg no 10078837				Rev H	
	catalog no -		CUSTOMER		sheet 1 of 5					



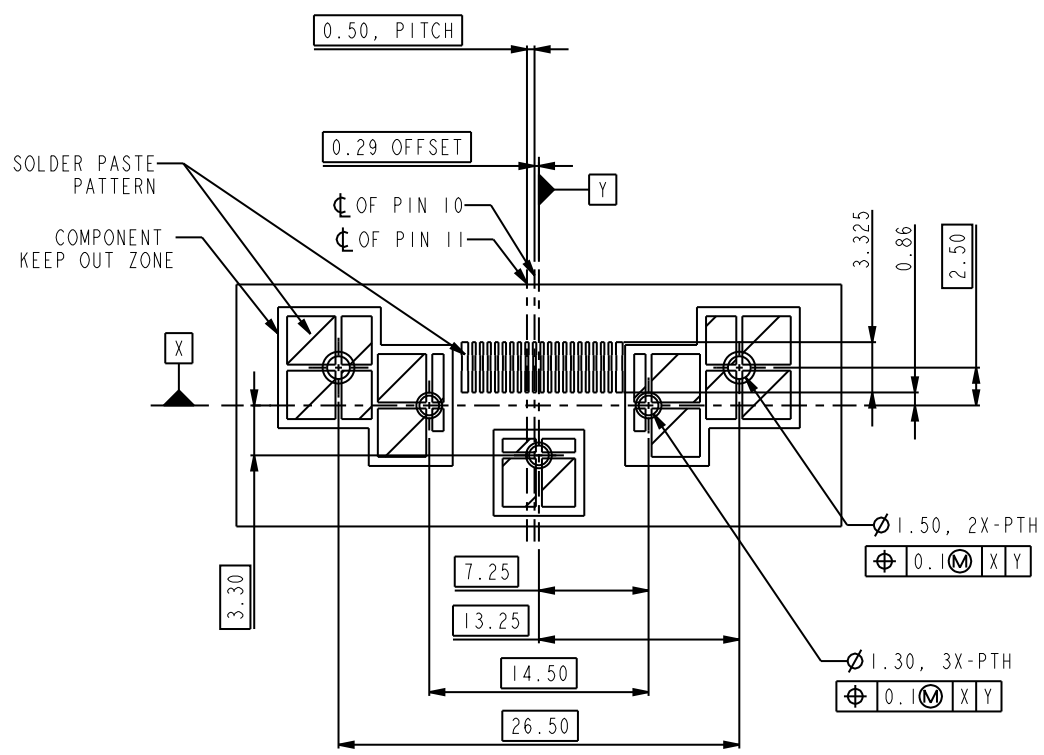
Copyright FCI.



SECTION X-X
SCALE 2.000

- SOLDER TAIL JOINTS (21X)
- METAL POSTS (5X)
- PLASTIC STANDOFF (2X)

- NOTES:
- MATERIAL
 - 1-1 HOUSING: GLASS FILLED HIGH-TEMP. RESIN (UL94V-0)
 - 1-2 CONTACT: COPPER ALLOY
 - 1-3 MAJOR SHELL: STAINLESS STEEL
 - 1-4 SECOND SHELL: STAINLESS STEEL
 - FINISH
 - 2-1 CONTACT: Ni UNDER PLATED ALL OVER
CONTACT AREA:
2-1-1) PART NUMBER 10078837-001LF: 0.75 MICROMETER Au MIN.
2-1-2) PART NUMBER 10078837-001FLF: GOLD FLASH.
SMT TAIL 1.27 MICROMETER MATTE TIN.
 - 2-2 MAJOR SHELL: Ni PLATED, 0.75 MICROMETERS MIN.
 - 2-3 SECOND SHELL: Ni PLATED, 0.75 MICROMETERS MIN.
 - PACKAGING:
PACKAGING SPECIFICATION GS-14-939
 - RoHS STANDARD SPECIFICATION ACCORDING TO FCI GS-22-008.
 - PARTS MEET REFLOW APPLICATION PEAK TEMP. 260 DEGREE C, 10 SECONDS MAX.
PIN IN PASTE REFLOW APPLICATION IS RECOMMENDED.
 - PRODUCT SPECIFICATION REFERENCE FCI GS-12-309.

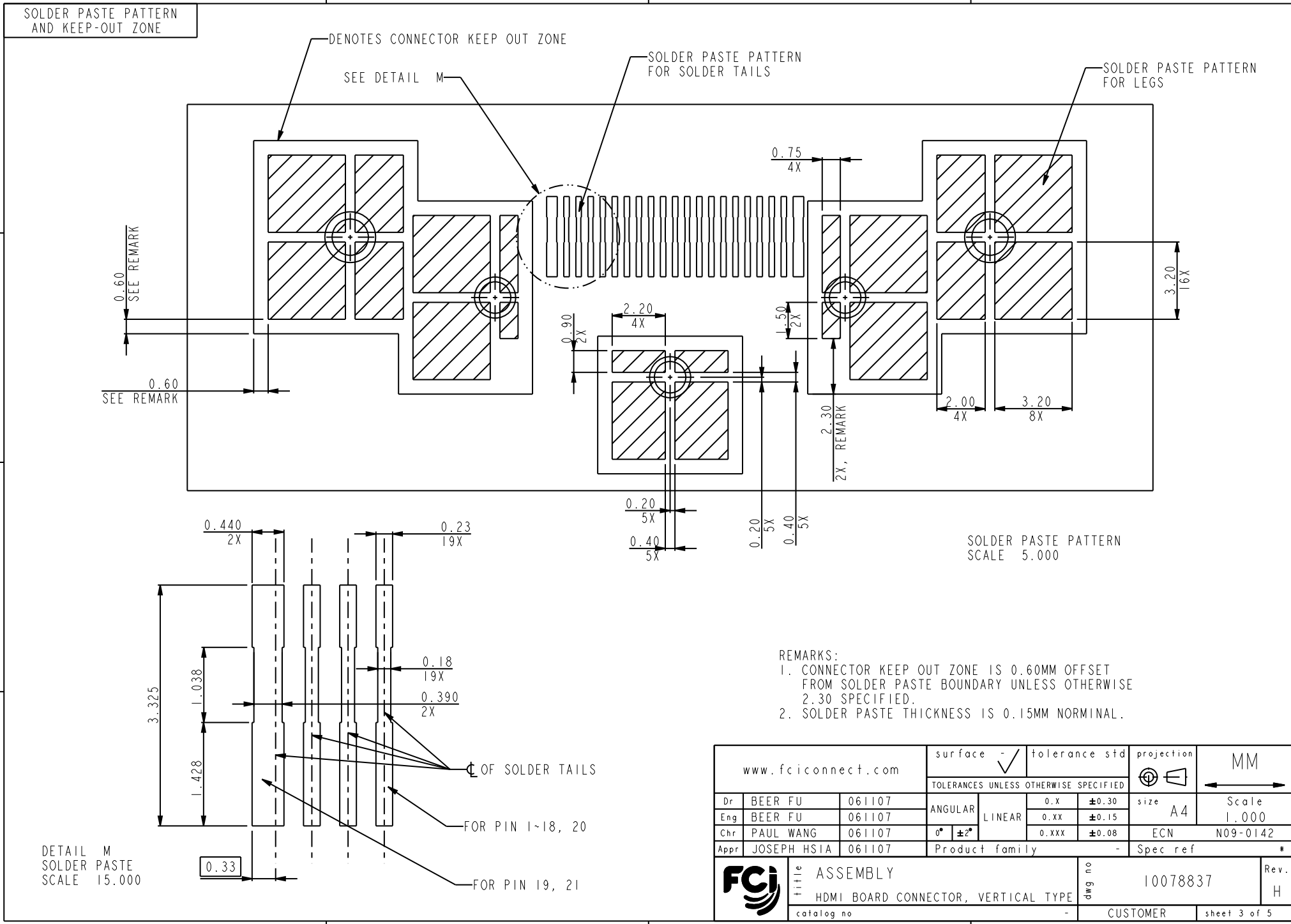


SOLDER PASTE PATTERN
AND PCB LAYOUT
THICKNESS=1.6MM
(SEE DETAIL DIMENSION IN SHEET 3&4)

www.fciconnect.com			surface - ✓ tolerance std			projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	BEER FU	061107	ANGULAR	LINEAR	0.X	±0.30	size A4	Scale	
Eng	BEER FU	061107			0.XX	±0.15		1.000	
Chr	PAUL WANG	061107			0.XXX	±0.08			
Appr	JOSEPH HSIA	061107	Product family -			Spec ref *			
			title ASSEMBLY			dwg no 10078837			Rev. H
			HDMI BOARD CONNECTOR, VERTICAL TYPE						
			catalog no -			CUSTOMER		sheet 2 of 5	



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www.fciconnect.com			surface - ✓		tolerance std		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	BEER FU	061107	ANGULAR ±	LINEAR	0.X	±0.30	size A4	Scale 1.000		
Eng	BEER FU	061107			0.XX	±0.15				
Chr	PAUL WANG	061107			0°. ±2°	0.XXX			±0.08	
Appr	JOSEPH HSIA	061107	Product family -			Spec ref *				
		title ASSEMBLY				dwg no 10078837		Rev. H		
		HDMI BOARD CONNECTOR, VERTICAL TYPE								
		catalog no -				CUSTOMER		sheet 3 of 5		



Copyright FCI.

COPPER LAND AND
SOLDER RESISTER OPENING

SOLDER RESISTER

SEE DETAIL V

SEE DETAIL U

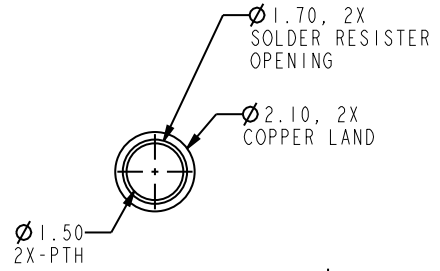
COMPONENT SIDE

COMPONENT SIDE
SCALE 2.500

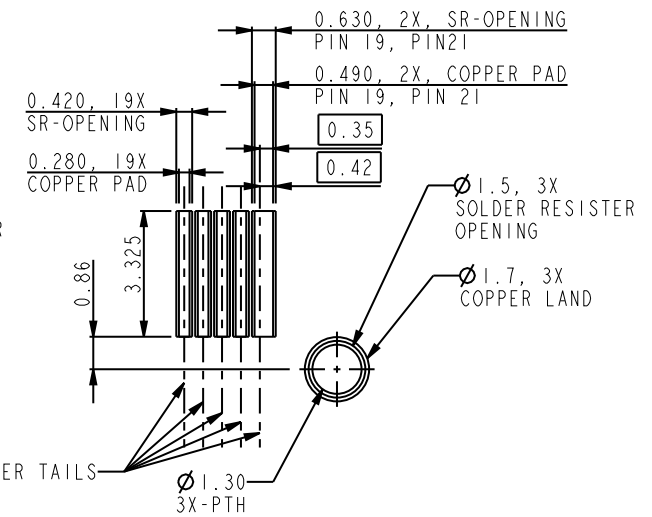
SEE DETAIL W

SOLDER SIDE

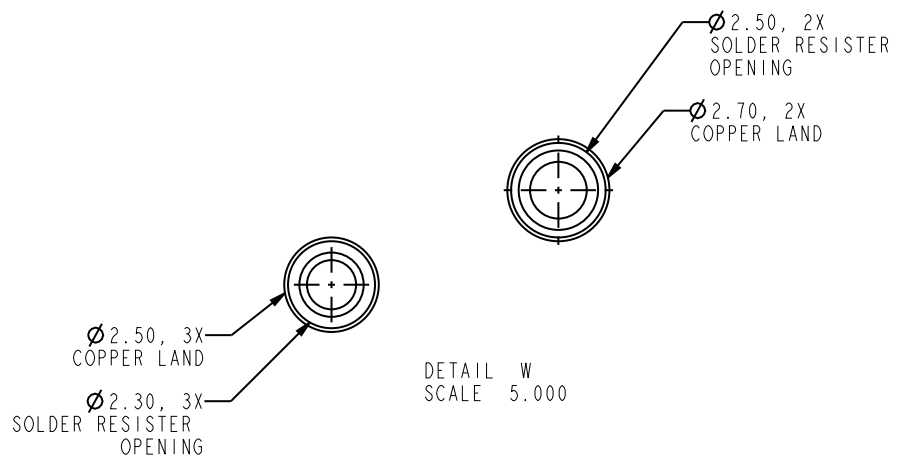
SOLDER SIDE
SCALE 2.500



DETAIL U
SCALE 5.000



DETAIL V
SCALE 5.000



DETAIL W
SCALE 5.000

www.fciconnect.com			surface - ✓		tolerance std		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	BEER FU	061107	ANGULAR	LINEAR	0.X	±0.30	size	A4	Scale 1.000	
Eng	BEER FU	061107			0.XX	±0.15				
Chr	PAUL WANG	061107			0.XXX	±0.08				
Appr	JOSEPH HSIA	061107	0°	±2°	Product family -		ECN PRE		Spec ref *	
			title ASSEMBLY			dwg no 10078837			Rev. H	
			HDMI BOARD CONNECTOR, VERTICAL TYPE							
			catalog no -			CUSTOMER			sheet 4 of 5	

PIN ASSIGNMENT

CONNECTOR MATING SIDE	
PIN	SIGNAL ASSIGNMENT
1	TMDS Data2+
2	TMDS Data2 Shield
3	TMDS Data2-
4	TMDS Data1+
5	TMDS Data1 Shield
6	TMDS Data1-
7	TMDS Data0+
8	TMDS Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Reserved (N.C. on device)
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	Hot Plug Detect

Remark:
There are 19 Pins in mating side,
HDMI type A cable is compatible.

CONNECTOR SOLDER TAILS	
PIN	SIGNAL ASSIGNMENT
1	TMDS Data2+
2	TMDS Data2 Shield
3	TMDS Data2-
4	TMDS Data1+
5	TMDS Data1 Shield
6	TMDS Data1-
7	TMDS Data0+
8	TMDS Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Reserved (N.C. on device)
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	Hot Plug Detect
20	Ground to PCB
21	Ground to PCB

Remark:
Two extra pin 20, 21 are designed to
ground to board, enhance the EMI
performance in system level.

www.fciconnect.com			surface - ✓		tolerance std		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	BEER FU	061107	ANGULAR	LINEAR	0.X	±0.30	size A4	Scale 1.000		
Eng	BEER FU	061107			0.XX	±0.15				
Chr	PAUL WANG	061107			0° ±2°	±0.08				
Appr	JOSEPH HSIA	061107	Product family -				ECN N09-0142			
			Product family -				Spec ref *			
	title ASSEMBLY					dwg no 10078837			Rev H	
	HDMI BOARD CONNECTOR, VERTICAL TYPE									
	catalog no -					CUSTOMER			sheet 5 of 5	