

1 2 3 4 5 6 7 8

A

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B

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C

C

D

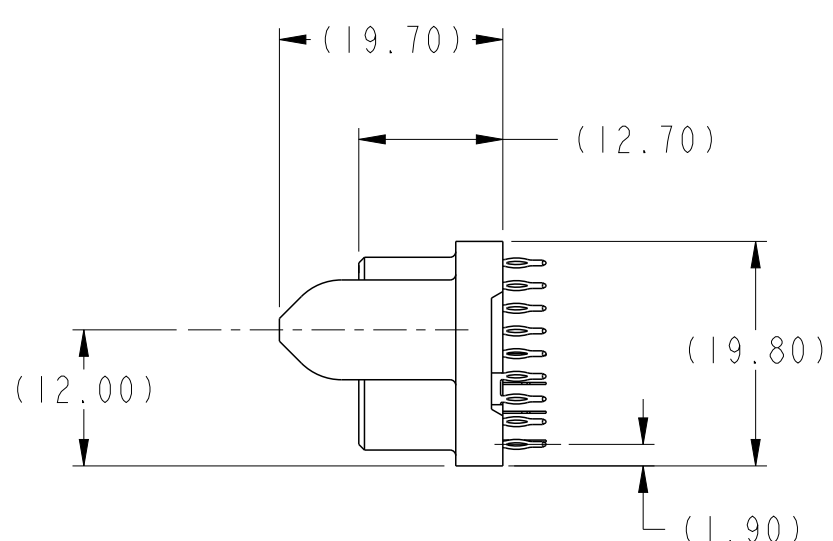
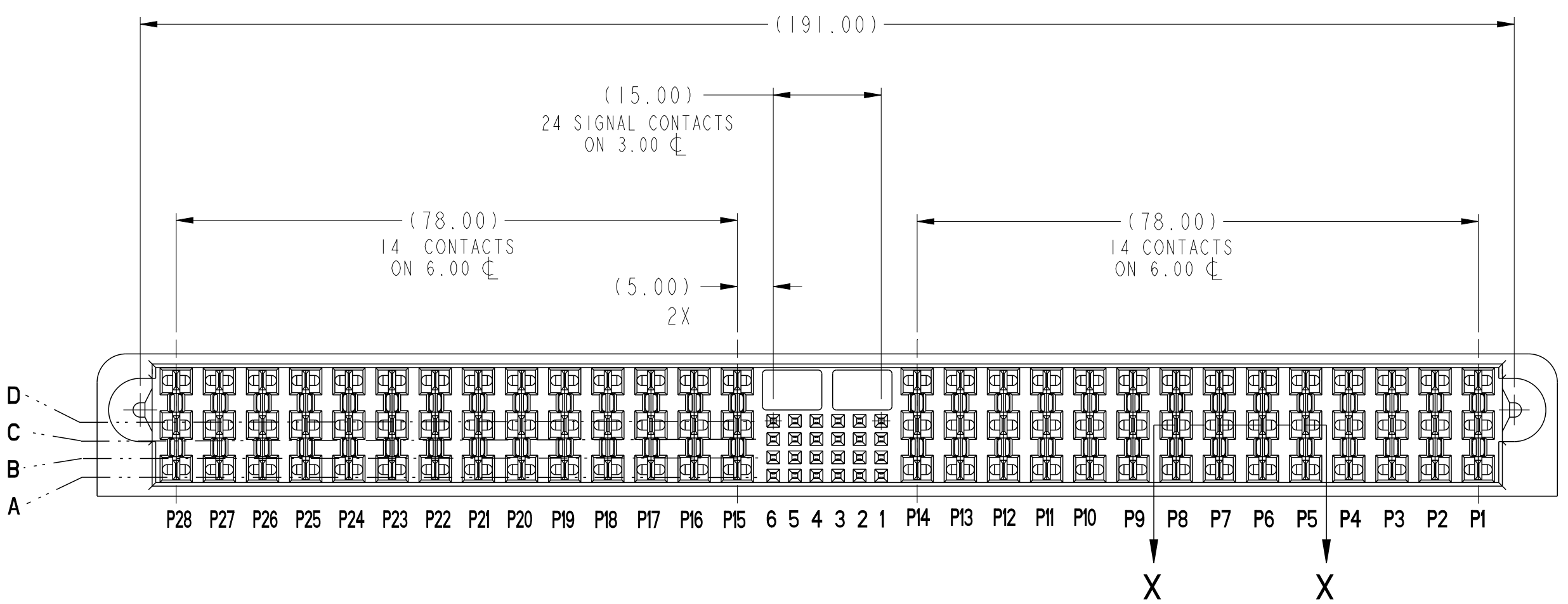
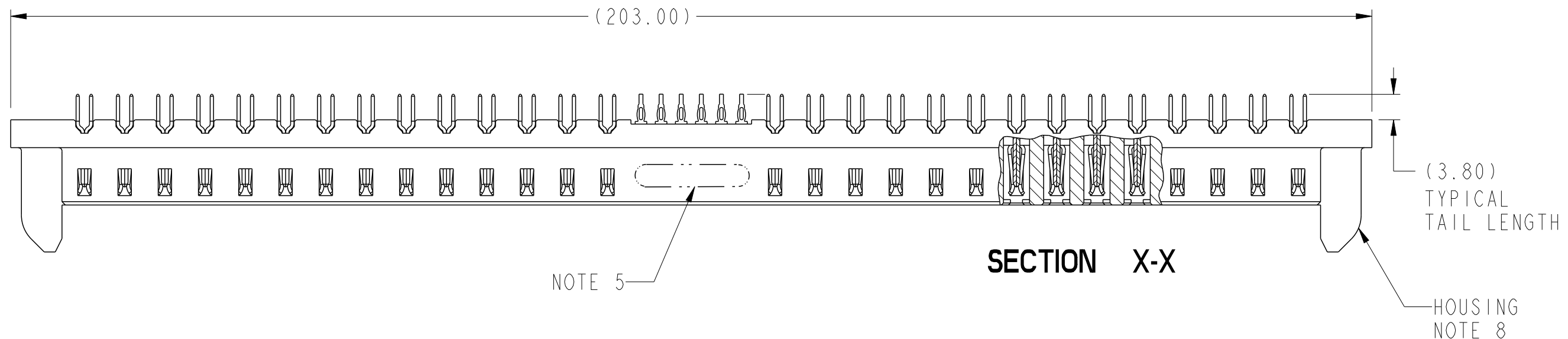
D

E

E

F

F



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FCI

spec ref	-	dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	1:1
tolerance std	-	eng	De-Ming Lu	2014/12/28		MM	ecn no	ELX-DG-19849-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Pei-Ming Zheng	2014/12/29						
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°
		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4		

	1	2	3	4	5	6	7	8	
A									A
B	TOP LAYER DESCRIPTION	TABLE 1 (HCI POWER) PLATED THROUGH-HOLE REQUIREMENTS							
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
	IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
	COPPER (SEE NOTE 9)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80	
C	TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS							
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
	TIN-LEAD	1.125-1.175 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10 (Ø.040±.003)
	IMMERSION TIN			--	--	--	--	--	
	IMMERSION SILVER			--	--	--	--	--	
	COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--			--	--		
D									D
									E
									F
E									E
									F
F									F

1		2		3	4	5	6	7	8
PART NUMBER		M2.5SCREW NOTE 11	TAIL PLATING	TAIL TYPE					
10084759-001		OPTIONAL	SnPb	PRESS-FIT					
10084759-001LF		OPTIONAL	Sn	PRESS-FIT					

NOTES:

1. CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY

2. CONTACT FINISH (ref GS-12-380 SECTION 5.2)

3. PRODUCT SPECIFICATION: GS-12-380.

4. APPLICATION SPECIFICATION: GS-20-070.

5. PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.

6. MINIMUM NOMINAL PCB THICKNESS: 1.6mm

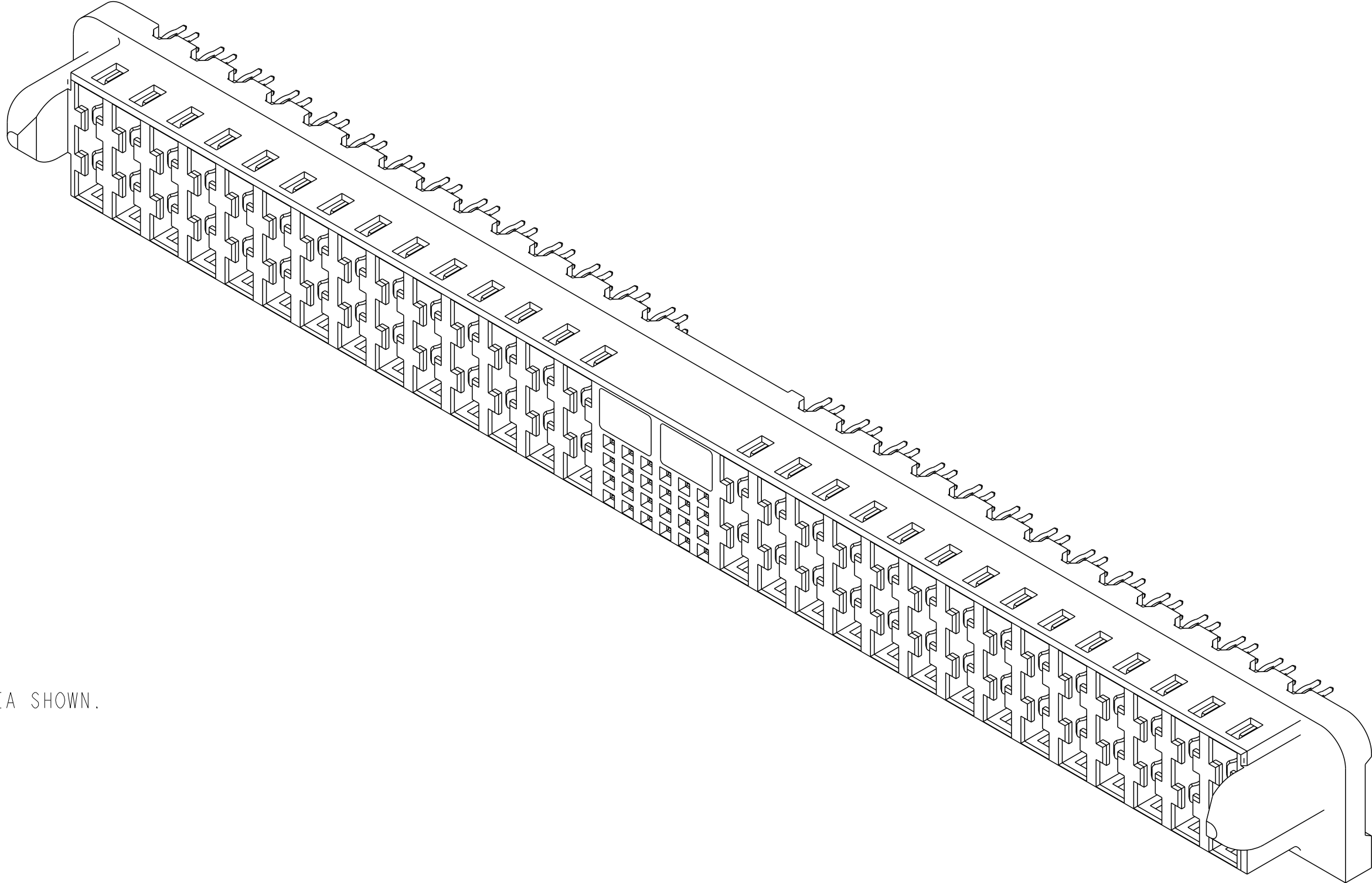
7. PACKAGING MEETS FCI SPECIFICATION GS-14-1073.

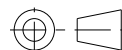
8. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C
PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED,
OR VAPOR PHASE REFLOW OVEN.

9. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE
NO MORE THAN 0.003 LESS THAN OTHER AREAS.

10. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

11. RECOMMENDED RETENTION TO PCB:
Ø0.110[2.79] THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX
HEAD Ø0.177[4.50].
RECOMMENDED SCREW LENGTH 0.276[7.00] + PCB THICKNESS.
RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).



dr	Not Found DuWa	2010/04/28	projection 	MM 	size	A2	scale	3:1			
eng	De-Ming Lu	2014/12/28			ecn no				ELX-DG-19849-1		
chr	-	-			rel level				Released		
appr	Pei-Ming Zheng	2014/12/29			product family				HCI		
www.fci.com			title		VERT RECPT 14DC+24S+14DC		dwg no		10084759	rev	B
cat. no.			-		Product - Customer Drw		sheet 4 of 4				

PDS: Rev :B

STATUS:Released

Printed: Dec 30, 2014