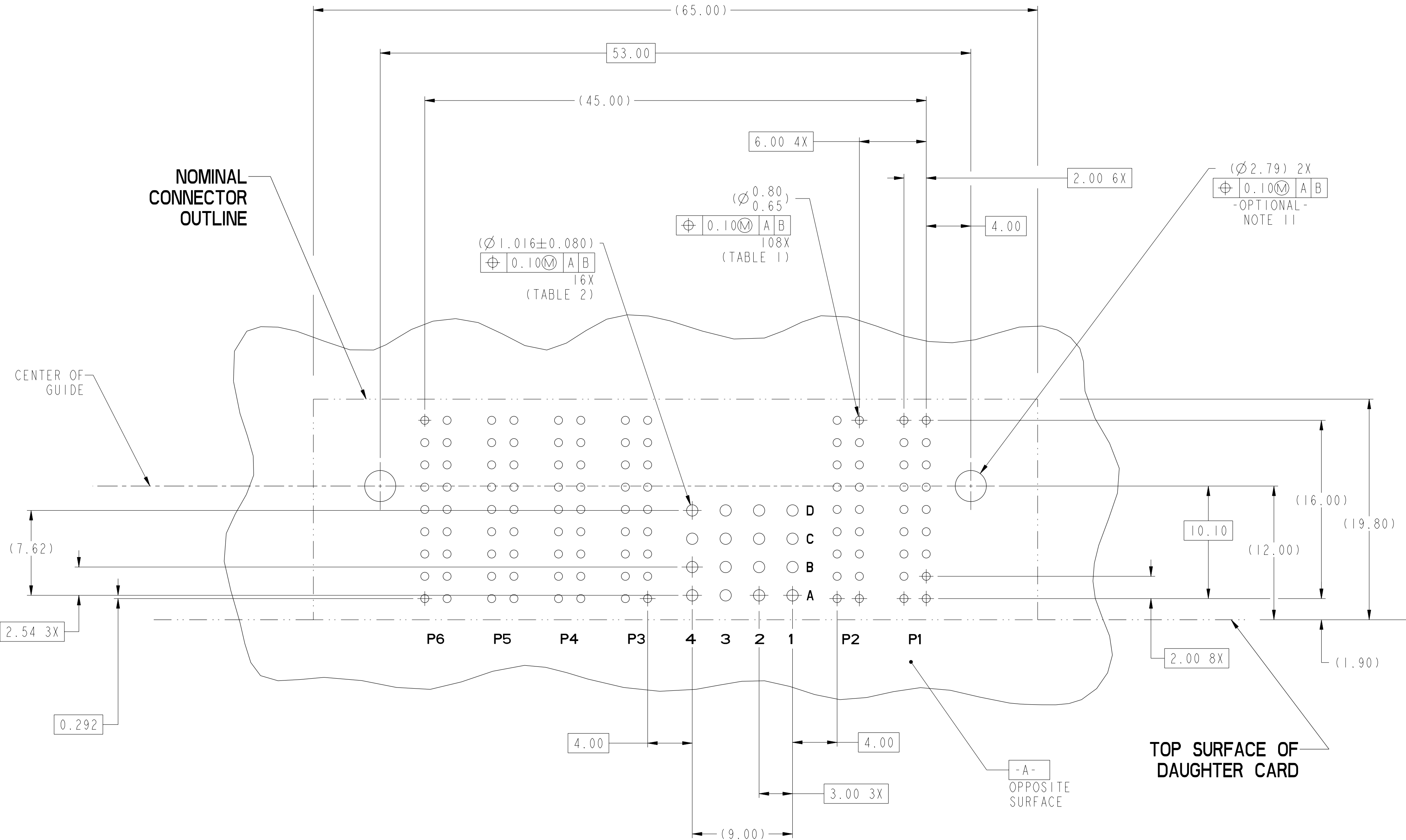


rev	ecn no	dr	date
A	V07-0402	TH	2007-06-13
B	V08-0053	BAB	2008-02-04
C	V08-0243	TH	2008-06-03
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface ASME Y14.5	tolerance std ASME Y14.5	projection ASME Y14.5	MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T.HOUTZ	2007-01-08	ANGULAR	0.X	±.3
Eng	H.NGO	2007-01-08	LINEAR	0.XX	±.10
Chr	H.NGO	2007-01-08	0° ±2°	0.XXX	±.050
Appr	H.NGO	2007-01-08	Product family	HCI	Spec ref
FCJ		VERT RECPT ASSY 2P-16S-4P		size	A2
FCJ		HCI POWER CONNECTOR		scale	3:1
catalog no		10074866		ECN	-
		CUSTOMER		sheet	1 of 4

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RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 6

	TITLE	VERT RECPT ASSY 2P-16S-4P	dwg no	10074866	Rev.	C
	CATALOG NO	HCI POWER CONNECTOR	CUSTOMER	sheet 2 of 4		

A

A

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

B

B

C

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 ( $\varnothing .0453 \pm .0010$ )	0.025-0.050	0.005-0.015	--	--	--	--	0.94 - 1.10 ( $\varnothing .040 \pm .003$ )
IMMERSION TIN			--	--	--	--	--	
IMMERSION SILVER			--	--	--	--	--	
COPPER (SEE NOTE 9)			--	--	--	--	--	
GOLD			--	--	--	--	--	

D

D


E

E

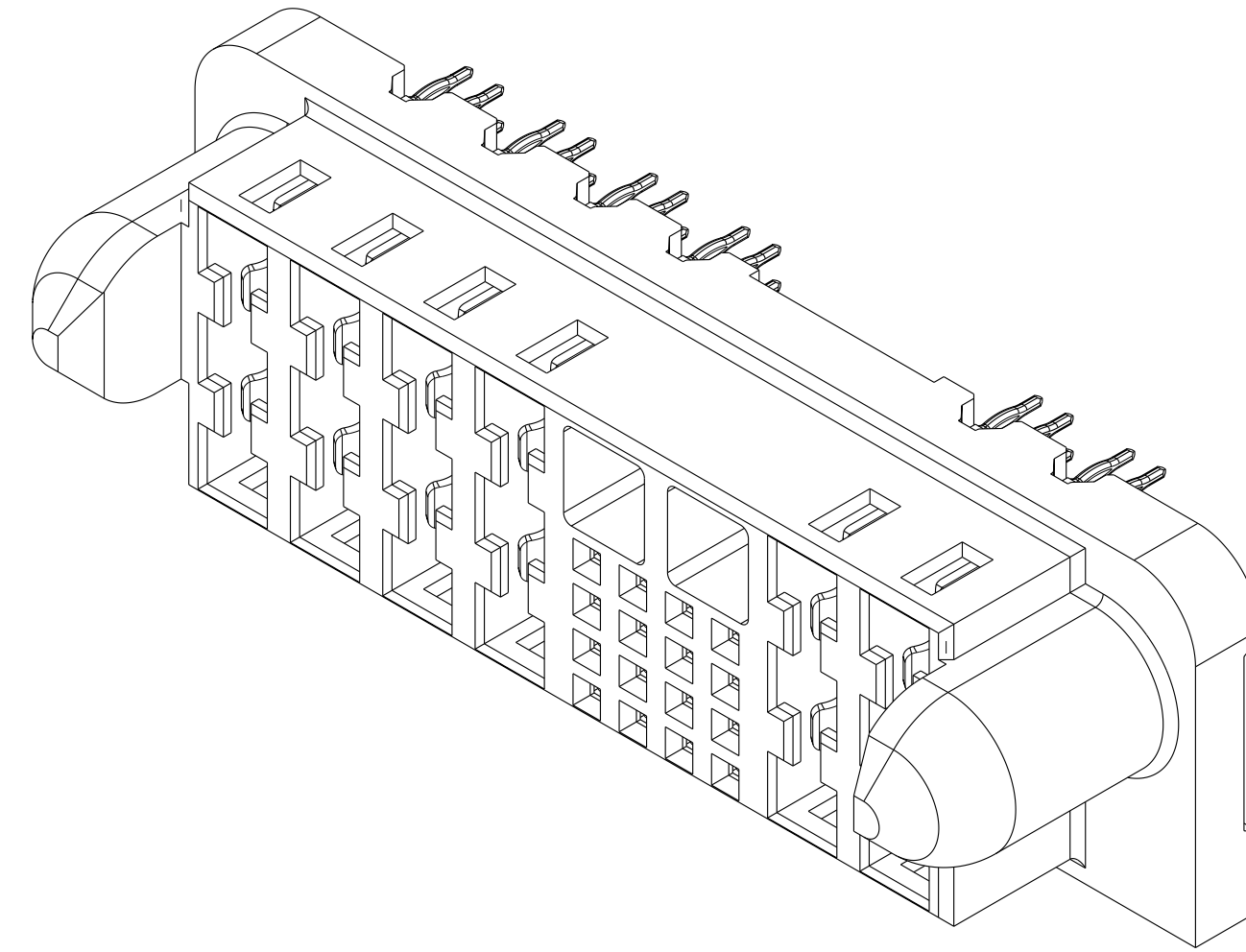
F

F

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	title VERT RECPT ASSY 2P-16S-4P HCI POWER CONNECTOR	dwg no 10074866	Rev. C
	catalog no CUSTOMER	sheet 3 of 4	

PART NUMBER	M2.5 SCREW NOTE 11	TAIL PLATING	TAIL TYPE
10074866-001	OPTIONAL	SnPb	PRESS-FIT
10074866-001LF	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.  
  
 $\varnothing 0.110[2.79]$  THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX  
HEAD  $\varnothing 0.177[4.50]$ .  
RECOMMENDED SCREW LENGTH  $0.276[7.00]$  + PCB THICKNESS.  
RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).

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<b>FCJ</b>	TITLE	VERT RECPT ASSY 2P-16S-4P	dwg no	10074866	Rev.	C
	CATALOG NO	HCI POWER CONNECTOR	CUSTOMER	sheet 4 of 4		