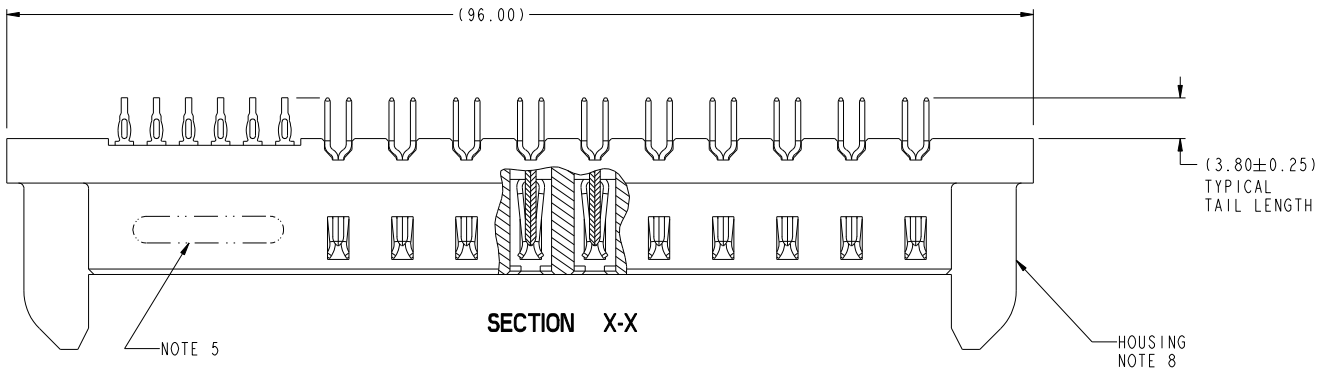
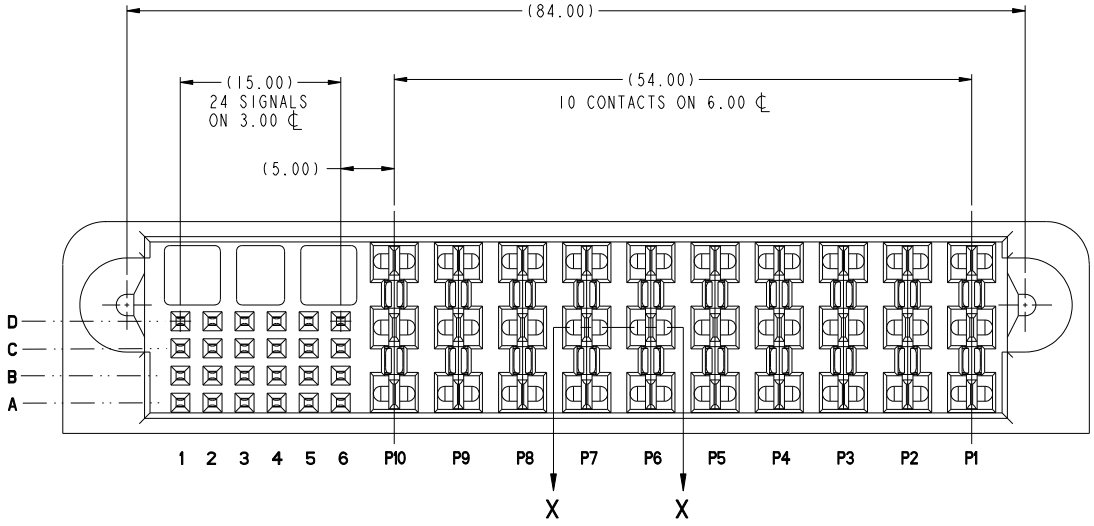
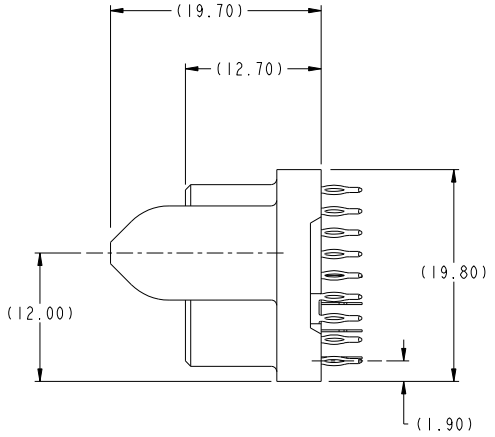


SECTION X-X





rev	ecn no	dr	date
A	V08-0243	TH	2008-06-03
B	DG09-0193	WD	2009-06-17
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Dr	T. HOUTZ	2007-02-28
Eng	H. NGO	2007-02-28
Chr	H. NGO	2007-02-28
Appr	H. NGO	2007-02-28

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surface - ASME Y14.5 | tolerance std - ASME Y14.5 | projection | MM

TOLERANCES UNLESS OTHERWISE SPECIFIED

ANGULAR	0° ±2°	
LINEAR	0.X	±.3
	0.XX	±.10
	0.XXX	±..050

size A2 | Scale 3:1

ECN - | Spec ref -

Product family -

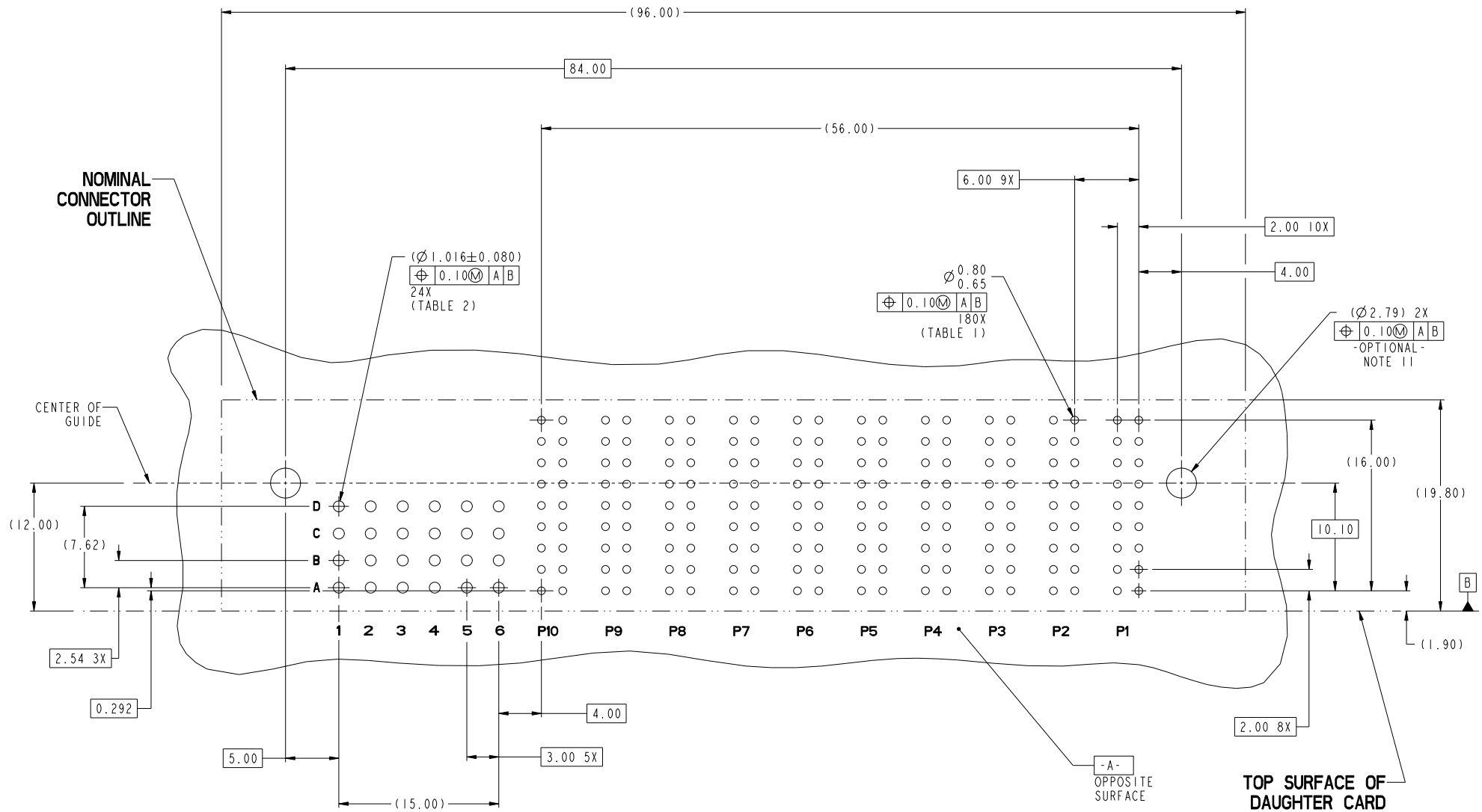
title: VERT RECP ASSY 10DC-24S
HCI POWER CONNECTOR

dwg no 10065127 | Rev. B

catalog no - | CUSTOMER | sheet 1 of 4

REV F - 2006-04-17

PDM: Rev:B STATUS:Released Printed: Dec 18, 2010



RECOMMENDED PCB LAYOUT
COMPONENT SIDE

NOTE 6

title	VERT RECP ASSY 10DC-24S HCI POWER CONNECTOR	dwg no 10065127	Rev. B
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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

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			--			--	--	

title	VERT RECP ASSY 10DC-24S HCI POWER CONNECTOR	dwg no 10065127	Rev. B
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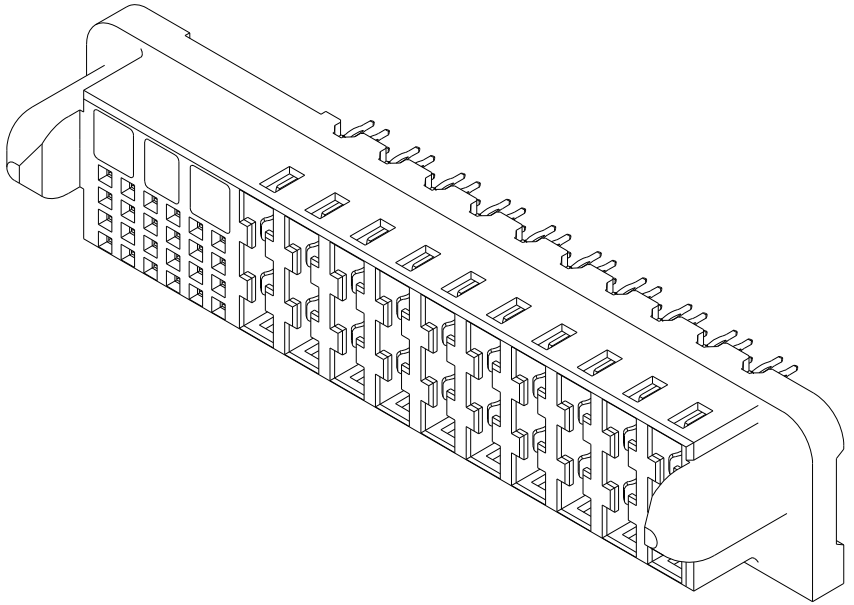
PART NUMBER	M2.5 SCREW NOTE 11	TAIL PLATING	TAIL TYPE
10065127-001	OPTIONAL	SnPb	PRESS-FIT
10065127-001LF	OPTIONAL	Sn	PRESS-FIT



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).

title	VERT RECP ASSY 10DC-24S HCI POWER CONNECTOR	dwg no	10065127 Rev. B
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