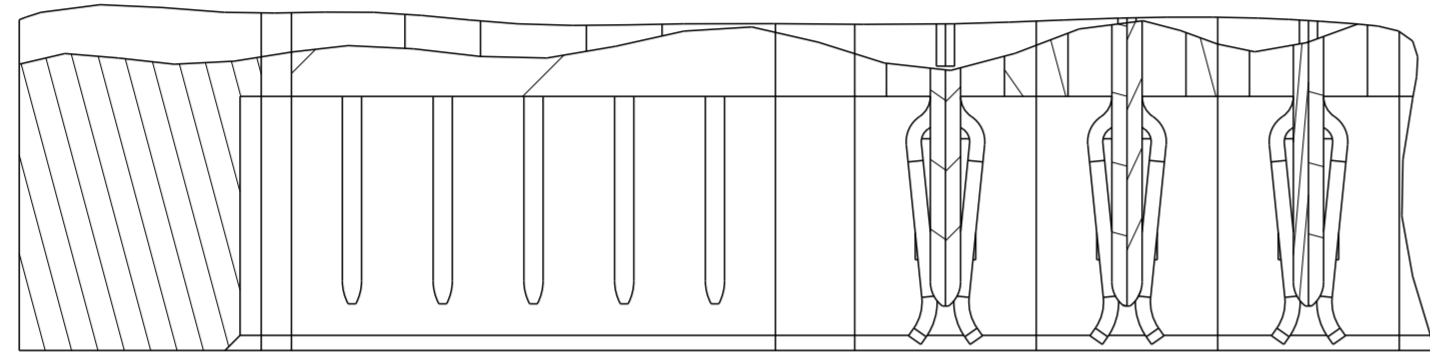
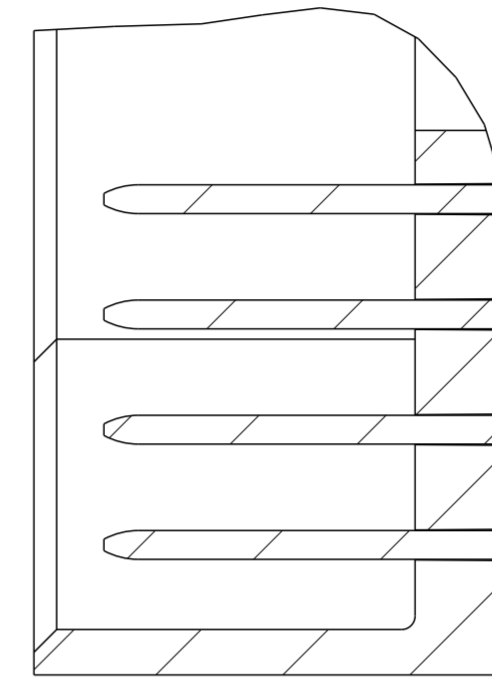


rev		ecn no	dr	date	spec ref	*	dr	Helen Zhang	2012/06/26	projection	MM	size	A2	scale	3:1
A		-	HZ	2012-06-26	tolerance std	ASME Y14.5	eng	Helen Zhang	2012/08/10	chr	-	ecn no	-		
					TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-	appr	Pei-Ming Zheng	2012/08/13	product family	rel level	Released
					surface	✓	linear	0.X	±0.5	FCI		title	R/A HEADER ASSY 20S10DC	dwg no	10121594
							linear	0.XX	±0.25	www.fci.com		cat. no.	HCI POWER CONNECTOR	rev	A
							angular	0°	±2°	Product - Customer Drw		sheet 1 of 5			

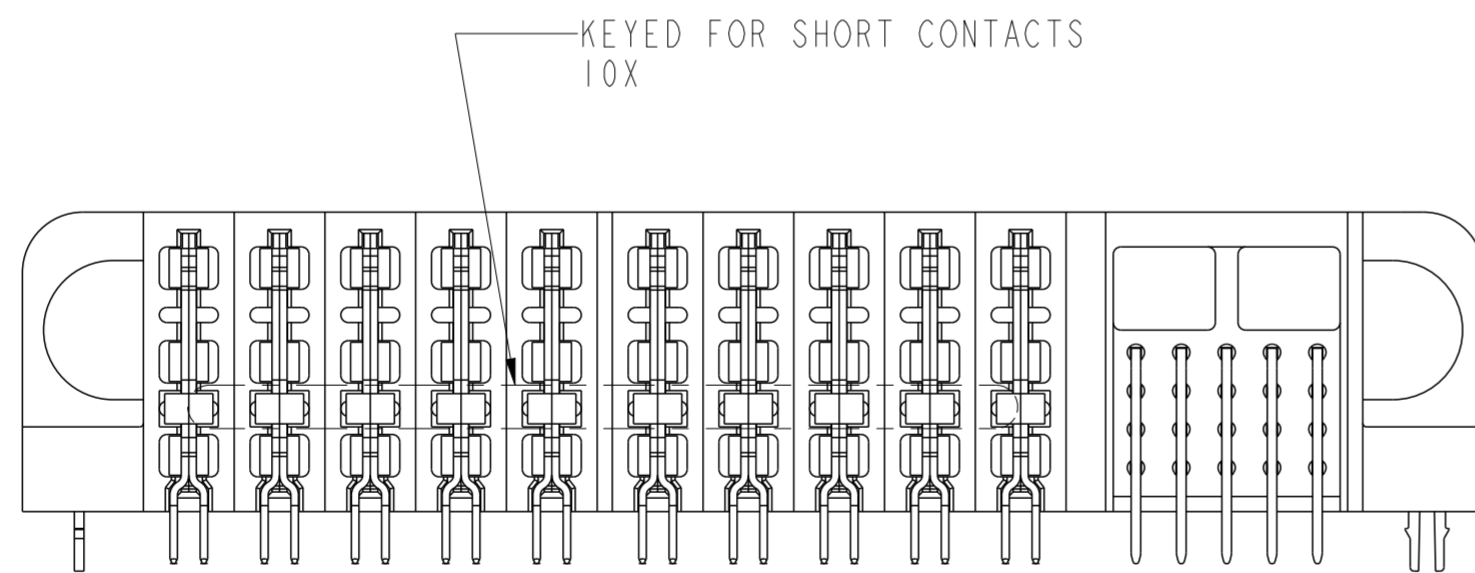




DETAIL A  
SCALE 4:1



SECTION W-W  
SCALE 6:1  
SIGNAL MATING  
SEQUENCE

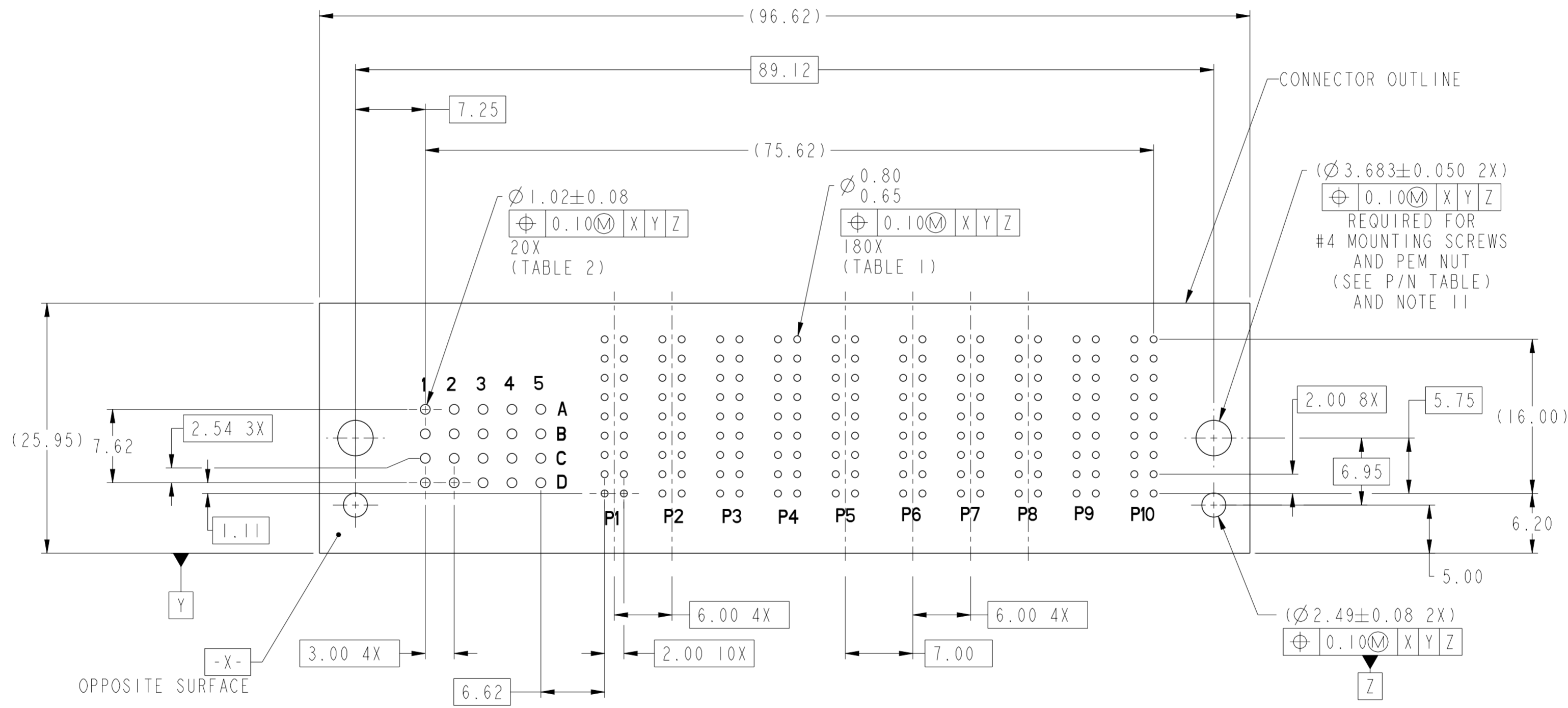


VIEW G-G

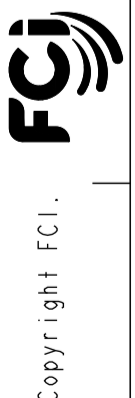


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spec ref	*	dr	Helen Zhang	2012/06/26	projection	MM	size	A2	scale	3:1																
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Helen Zhang	2012/08/10			ecn no	-	Released																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.5</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.100</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.5				0.XX	±0.25		0.XXX	±0.100	angular	0°	±2°	chr	-	product family	rel level	<table border="1"> <tr> <td>cat. no.</td> <td>R/A HEADER ASSY 20S10DC</td> <td>rev</td> <td>A</td> </tr> <tr> <td>cat. no.</td> <td>HCI POWER CONNECTOR</td> <td>cat. no.</td> <td>10121594</td> </tr> </table>	cat. no.	R/A HEADER ASSY 20S10DC	rev	A	cat. no.	HCI POWER CONNECTOR
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	0.XX	±0.25																								
	0.XXX	±0.100																								
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cat. no.	HCI POWER CONNECTOR	cat. no.	10121594																							
www.fci.com		appr	Pei-Ming Zheng	2012/08/13	Product - Customer Drw		sheet 2 of 5																			



RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 6



spec ref	*	dr	Helen Zhang	2012/06/26	projection	MM	size	A2	scale	3:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Helen Zhang	2012/08/10			ecn no	-	rel level	Released												
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td><math>\pm 0.5</math></td> </tr> <tr> <td></td> <td>0.XX</td> <td><math>\pm 0.25</math></td> </tr> <tr> <td></td> <td>0.XXX</td> <td><math>\pm 0.100</math></td> </tr> <tr> <td>angular</td> <td>0°</td> <td><math>\pm 2^\circ</math></td> </tr> </table>	linear	0.X	$\pm 0.5$								0.XX	$\pm 0.25$		0.XXX	$\pm 0.100$	angular	0°	$\pm 2^\circ$	chr	-	product family
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	0.XXX	$\pm 0.100$																				
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		appr	Pei-Ming Zheng	2012/08/13			<table border="1"> <tr> <td>title</td> <td>R/A HEADER ASSY 20S10DC</td> <td>dwg no</td> <td>10121594</td> <td>rev</td> <td>A</td> </tr> <tr> <td colspan="2"> <table border="1"> <tr> <td>www.fci.com</td> <td>cat. no.</td> <td>Product - Customer Drw</td> <td>sheet 3 of 5</td> </tr> </table> </td> <td colspan="3"></td> </tr> </table>	title	R/A HEADER ASSY 20S10DC	dwg no	10121594	rev	A	<table border="1"> <tr> <td>www.fci.com</td> <td>cat. no.</td> <td>Product - Customer Drw</td> <td>sheet 3 of 5</td> </tr> </table>		www.fci.com	cat. no.	Product - Customer Drw	sheet 3 of 5			
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www.fci.com	cat. no.	Product - Customer Drw	sheet 3 of 5																			

A  
B  
C  
D  
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F

A  
B  
C  
D  
E  
F

1 2 3 4 5 6 7 8

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

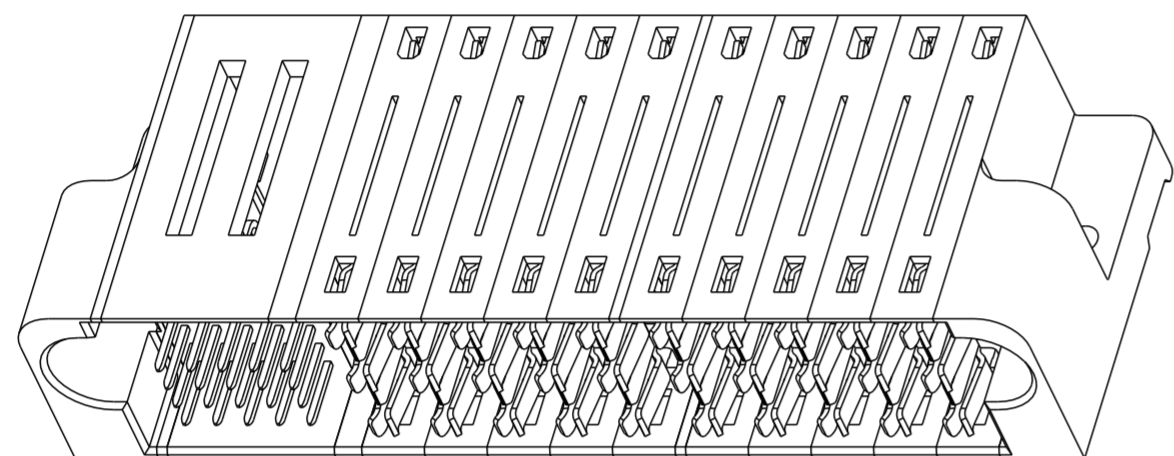
TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS			
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	1.125-1.175 ( $\varnothing .0453 \pm .0010$ )	0.025-0.050	0.005-0.015	0.94 - 1.10 ( $\varnothing .040 \pm .003$ )



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spec ref	*	dr	Helen Zhang	2012/06/26	projection	MM	size	A2	scale	3:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Helen Zhang	2012/08/10			ecn no	-	rel level										
chr	-	chr	-	product family			Released												
appr	Pai-Ming Zheng	2012/08/13			title	R/A HEADER ASSY 20S10DC	cat. no.	10121594	rev	A									
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linear	0.X	$\pm 0.5$																	
	0.XX	$\pm 0.25$																	
	0.XXX	$\pm 0.100$																	
angular	0°	$\pm 2^\circ$																	

PART NUMBER	RETENTION CLIPS	#4 SCREW	DIM A (TAIL LENGTH)	TAIL TYPE
10121594-001LF	NO	YES	3.43	SOLDER TAIL
10121594-002LF	NO	YES	4.70	SOLDER TAIL
10121594-003LF	YES	NO	3.43	SOLDER TAIL
10121594-004LF	YES	NO	4.70	SOLDER TAIL



NOTES:

- CONNECTOR MATERIALS:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK  
UL 94V-0 COMPLIANT  
CONTACTS: HIGH PERFORMANCE COPPER ALLOY
- CONTACT FINISH (ref GS-12-380 SECTION 5.2)
- PRODUCT SPECIFICATION: GS-12-380.
- APPLICATION SPECIFICATION: GS-20-070.
- "FCI", PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE.  
THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
- MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- PACKAGING MEETS FCI SPECIFICATION GS-14-1073.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C  
PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED,  
OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE  
NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED.

spec ref	*	dr	Helen Zhang	2012/06/26	projection	MM	size	A2	scale	3:1																	
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.