

Excellent Integrated System Limited

Stocking Distributor

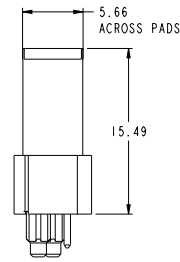
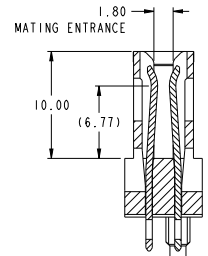
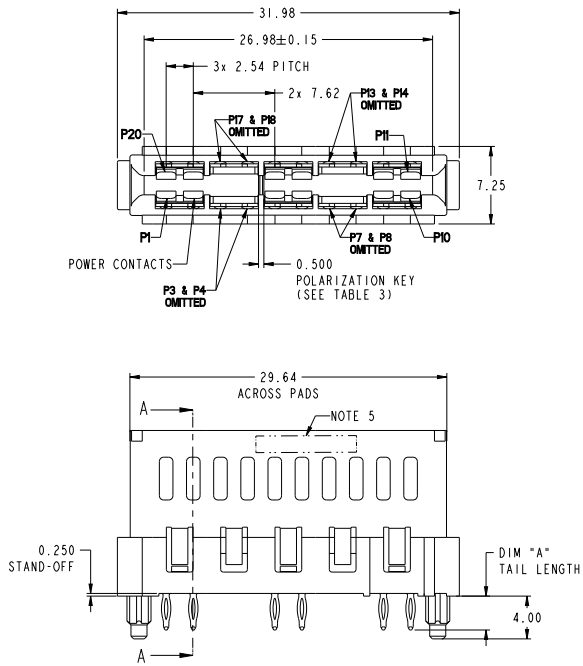
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)

[10124179-001LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Amphenol FCI

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spec. ref.	-	dr.	John Wang	revision		projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	John Wang	approved		product family		acc. no.	10124179	rel. level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chkd	John Wang	approved		product family		rel. level	Released		
		appr	John Wang	approved		product family		rel. level	Released		
surface	linear	0.1	±0.5	Amphenol FCI	STD VERT RECPT 20P OMIT 8P	rev		10124179		B	
		0.2X	±0.25		HIGH POWER CARD EDGE	cat. no.		Product - Customer Draw		sheet 1 of 4	
	angular	0.2X	±0.10								
		0°	±2°								

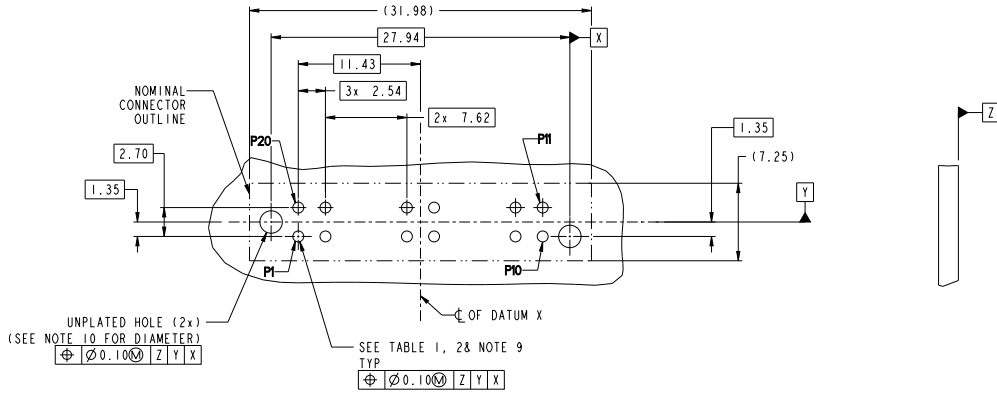
PDS: Rev: B

STATUS: Released

Printed: May 24, 2016

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	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
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80

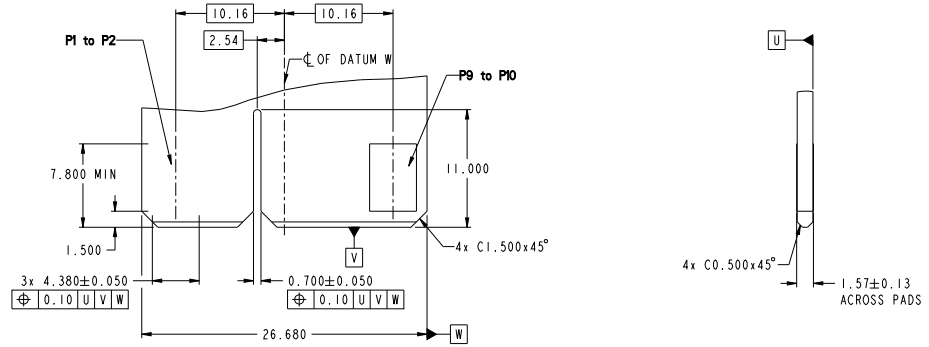


spec. ref.	-	dr.	John Wang	description	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	John Wang	approved	1st angle		acc no	10124179	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	John Wang	approved	product family		rev	B		
surface	linear	0.1	±0.5	ASMP	John Wang	approved	product family			
	angular	0.25	±0.25	ASMP	John Wang	approved	product family			
ASME Y14.5		0.1X	±0.10	ASMP	John Wang	approved	product family			
		0.2	±2	ASMP	John Wang	approved	product family			

Amphenol FCI
 STD VERT RECPT 20P OMIT 8P
 HIGH POWER CARD EDGE
 Product - Customer Draw
 sheet 2 of 4

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spec. ref.	-	dr.	John Wang	approved	projection	MM	size	A2	scale	1:1
tolerance	ASME Y14.5	chkd.	John Wang	checked	product family		acc. no.	10124179	rel. level	Released
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	cntr.	John Wang	centered	Amphenol FCI	STD VERT RECPT 20P OMIT 8P				
ISO 1101		appr.	John Wang	approved		HIGH POWER CARD EDGE				
surface	linear	0.1	±0.5							
		0.25	±0.25							
		0.10	±0.10							
ASME Y14.5	angular	0°	±2°							

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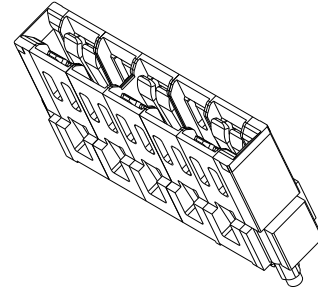
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HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10124179-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38
10124179-002LF	SOLDER	NO		
10124179-003LF	PRESS-FIT	YES	3.17 ±0.25	1.57 MIN
10124179-004LF	PRESS-FIT	NO		



NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
- PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- 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
∅ 2.40 +/- 0.1 FOR PRESS-FIT TAILS
∅ 2.18 +/- 0.03 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING : 10119453.
- A SYMBOL Δ WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec. ref.	-	dr.	John Wang	description	projection	MM	size	A2	scale	1:1
tolerance std	ISO 406 ISO 1101	tolerances unless otherwise specified	eng	John Wang	checked		acc. no.	10124179	rel. level	Released
surface	linear	0.1 ±0.5 0.25 ±0.25 0.10 ±0.10	appr	John Wang	approved		product family	STD VERT RECPT 20P OMIT 8P HIGH POWER CARD EDGE	rev	B
ASME Y14.5	angular	∅ ±2	cat. no.				Product - Customer Draw		sheet 4 of 4	

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