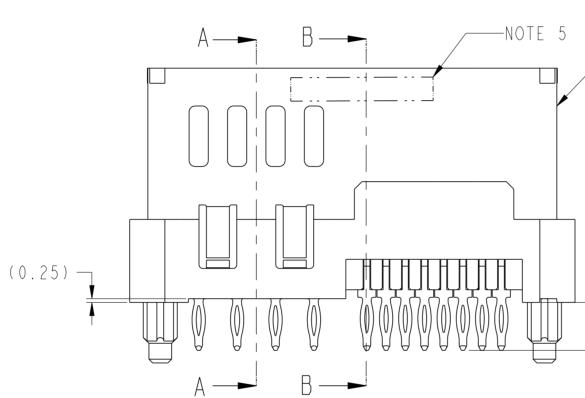
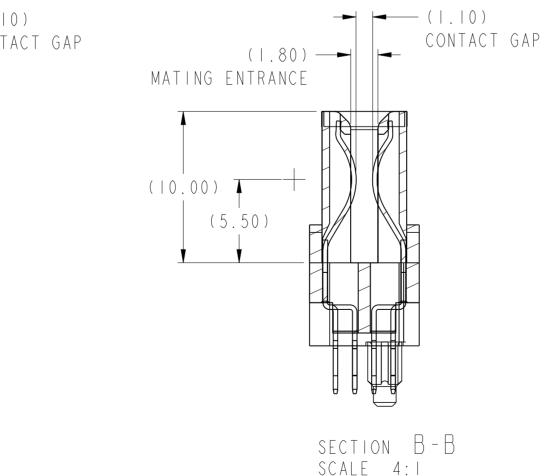
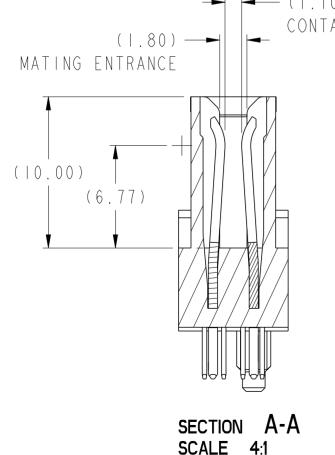
		2	3	4	5	6	7	8
А В			POWER CONTACTS		(7.25)			B
Amphenol FCi					E 5 HOUSING NOTE 7 3.17±0.25 TYP TAIL LENGTH			C
© 2016 AFCI	MATING E (10.00)	(1.80) (1.80) (1.80) (1.80) (1.80) (1.10) CONTACT (CONTACT ((1.10) CONTACT (SECTION A-A SCALE 4:1	MATING ENTRANCE	CONTACT GAP	spec ref - tolerance std ISO 406	dr Wei-Long Zhang ES UNLESS SPECIFIED Chr Terris Liu	2012/04/16 projection 2016/05/05 Difference	mm size A2 scale ecn no ELX-DG-24036-1
	Creo File - REV E - 2016-02-12	2	3	4	surface linear 0.	$\begin{array}{c} x \\ x \\ xx \\ xx \\ \pm 0.10 \\ \hline xx \\ \pm 0.05 \end{array} \qquad \begin{array}{c} \text{Amphenol} \\ \textbf{FCi} \\ \end{array} $	2016/05/24 product family VERT RECT 8P + 16S HIGH POWER CARD EDGE	rel level Released

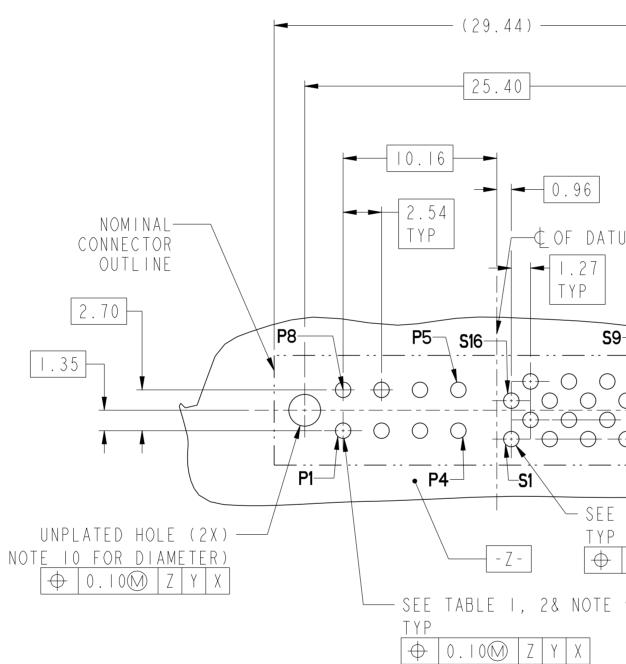






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	2	3	4

_		2	3	4	5	6	7	8
	CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE	TABLE I (HPCE / SOLDER TAILS PLATED THROUGH-HOLE REQUIREMENT COPPER TIN-LEAD THLOKNESS THLOKNESS	NTS TIN FIN	NISHED		
A	POWER & SIGNAL	TIN-LEAD IMMERSION TIN COPPER (SEE NOTE 8)	I.IO-I.I6(I.I5 DRILL)0I.IO-I.I6(I.I5 DRILL)0	THICKNESSTHICKNESS.025 - 0.0500.005 - 0.015.025 - 0.050025 - 0.050	0.94 0.9 - 1.5um 0.94	DIAMETER - I.IO - I.IO - I.IO		4
	CONTACT TYPE	TOP LAYER DESCRIPTION	T P DRILLED HOLE	TABLE 2 (HPCE / PRESS-FIT TAIL PLATED THROUGH-HOLE REQUIREMEN COPPER TIN-LEAD	NTS	NI SHE D		
B	POWER & SIGNAL	TIN-LEAD IMMERSION TIN COPPER (SEE NOTE 8)	DIAMETER 0.81-0.86 (0.85 DRILL) 0 0.81-0.86 (0.85 DRILL) 0	THICKNESS THICKNESS .025 - 0.050 0.005 - 0.015 .025 - 0.050 .025 - 0.050	THICKNESS HOLE 0.65 0.9 - 1.5um 0.70	DIAMETER - 0.80 - 0.80 - 0.80		E
С			NOMINAL CONNECTOR	25.40	DATUM X			(
Amphenol FCi			OUTLINE 2.70 I.35 UNPLATED HOLE (2X)	Г Г	SP SP SEE TABLE 1, 28 NOTE 9)	
E		(EE NOT <u>E IO FOR DIAMETER)</u> (⊕ 0.10 M Z Y X	3X 1.27		E
© 2016 AFCI					specref -	d r Wei-Long Zhang 20	12/04/16 projection	size scale



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spec ref	-			dr	Wei-Long Zhang	9	2012/04/16	projec	tion			size	scale	
tolerance std		LERANCES UNLESS ERWISE SPECIFIED		eng	Sunny2 Liu		2016/05/05			mm		A 2	1:1	
ISO 406	I TOLEI OTHERI			chr	Terris Liu		2016/05/20	 [-		ecn no	ELX-DG-24036-1	
ISO IIOI				appr	Pei-Ming Zheng		2016/05/24	product f	amily			rel level	Released	
		0.X	±0.3		honal	• VE			6 S		0			rev
surface /	linear	0.XX	±0.10	AW			NI NECI OF ± 103					98		
		0.XXX	±0.05		FUI	+ HIG	H POWER CARD	EDGE			d K			B
ISO I302	angular	0°	$\pm 2^{\circ}$			cat. no	•		Pro	oduct –	Customer	Drw	sheet 2 of	4
5			PDS	5: Re	v :B		ST	ATUS:Re	eleased		Pri	nted: May	/ 24, 2016	

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Α								A
B			¢of da	С. 35 С. 27 С. 96 С. 96 С. 27 С. 96 С. 27 ТУР				B
С			P1 TO P4 7.80 MIN 1.50		B I.50 X4	0.50		C
Amphenol FCi			9.460 TYP			I.57±0 Across PA	ADS	D
E								E
C 2016 AFCI						eng suny2 Liu RANCES UNLESS chr Terris Liu wise specified appr Pei-Ming Zheng 0.x ±0.3 Amphenol 0.xx ±0.10 FCi 0.xxx ±0.05 Hig	2016/05/20 2016/05/24 product family RT RECT 8P + 16S H POWER CARD EDGE	MM Size A2 I:I ecn no ELX-DG-24036-1 rel level Released rev S I0I20798 B - Customer Drw sheet 3 of 4
	Creo File - REV E - 2016-02-12	2	3	4	5	PDS: Rev :B	STATUS:Released	Printed: May 24, 2016

			2		3	4				
HPCE PART NUMBER (TABLE 3)										
А	PART NUMBER	T A I L T Y P E	ORIENTATIO Key	Ν	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS				
	10120798-001LF	SOLDER	YES		3.17 ±0.25	1.59 - 2.38				
	10120798-002LF	SOLDER	NO		5.17 ± 0.25	1.00 L.00				
	10120798-003LF	PRESS-FIT	YES		3.17 ±0.25	I.57				
	10120798-004LF	PRESS-FIT	NO		J.II ±0.23	MIN				

В

С

Amphenol FCi

NOTES:

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I. 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. 2.
- PRODUCT SPECIFICATION: GS-12-604. 3.
- APPLICATION SPECIFICATION: GS-20-128. 4.
- $\mathbb{B}(5)$ PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
 - PACKAGING MEETS FCI SPECIFICATION GS-14-937. 6.

HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN. (7.)

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 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS \emptyset 2.10 +/- 0.1 FOR SOLDER TAILS
- II. PRESS FIT APPLICATION TOOL DRAWING : 10119453.
- 12. A SYMBOL BE WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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ISO I30Ž	angular	0°	±2°			cat. no			Pr	oduct –	Customer	Drw	sheet 4 of	4
$\langle \rangle$		0.XXX	±0.05		FCi 🗄		H POWER CARE) EDGE			¢ ≬			В
surface /	linear	0.XX	±0.10	AM			RT RECT 8P +		। V S क		D D	10120798		
		0.X	±0.3	A	shanal	♥ \/[SD T	1 6 S		0 L			rev
ISO 0				appr	Pei-Ming Zheng		2016/05/24	product	family			rel level	Released	
ISO 406 OTHERW		RANCES UNLESS WISE SPECIFIED		chr	Terris Liu		2016/05/20			-		ecn no	ELX-DG-24036-1	
tolerance std		TOLERANCES UNLESS		eng	Sunny2 Liu		2016/05/05		\square		nm [A 2	1:1	
spec ref	-			dr	Wei-Long Zhang		2012/04/16	proje	ection			size	scale	