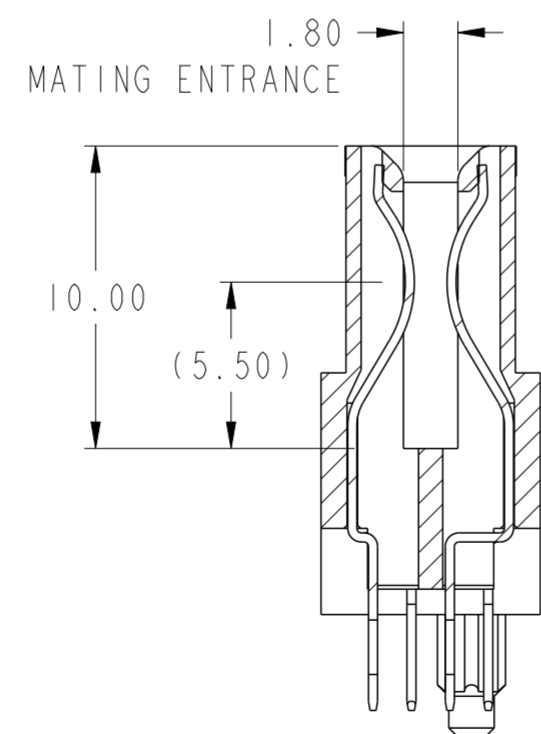


SECTION A-A  
SCALE 4:1

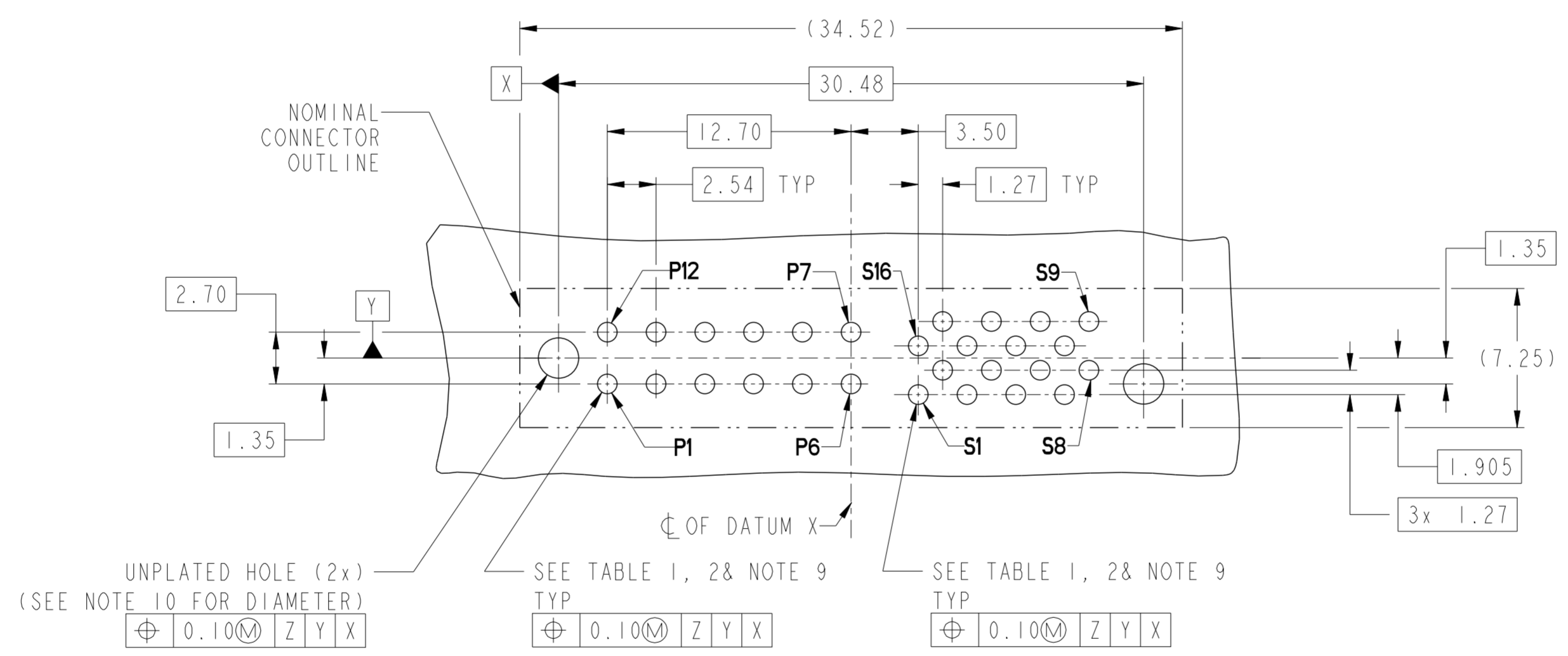


SECTION B-B  
SCALE 4:1

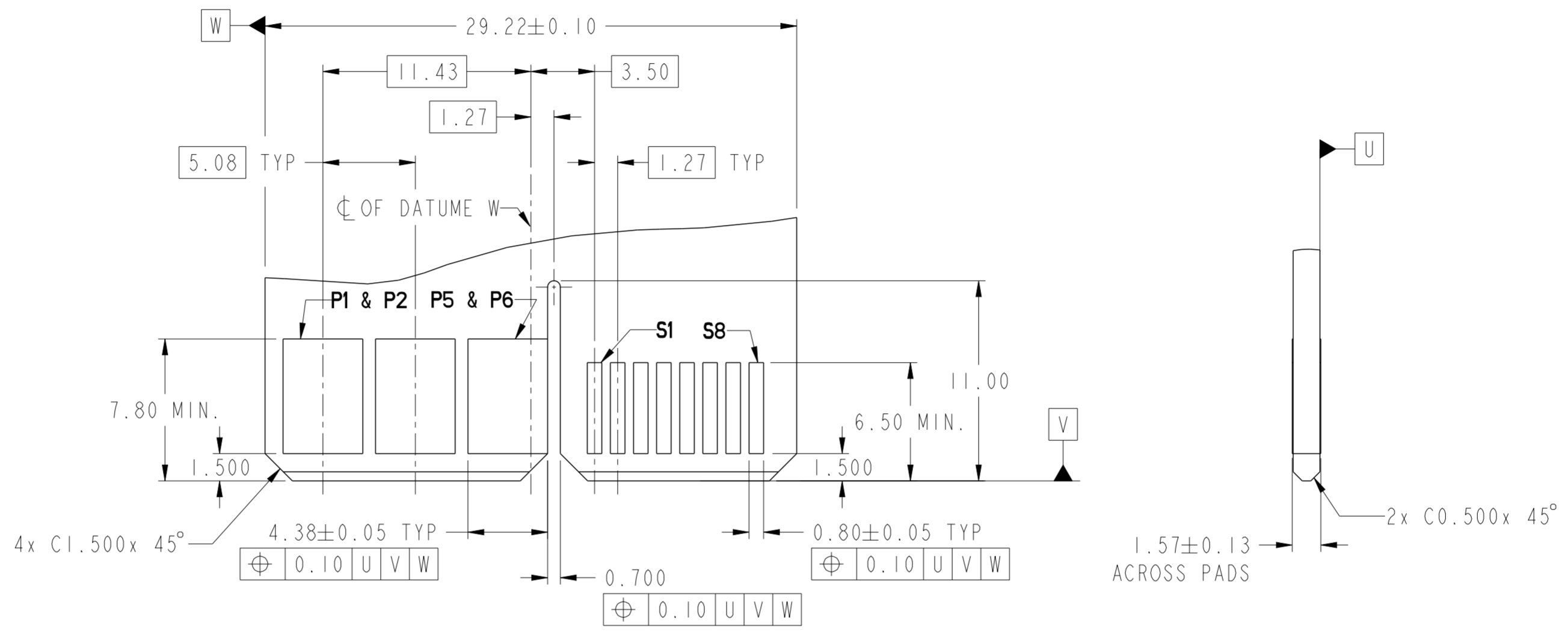
spec ref	-	dr	De-Ming Lu	2014/02/24	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20						
surface	linear	0.X	±0.5		<b>Amphenol FCI</b>		VERT RECT 12P+16S HIGH POWER CARD EDGE	cat. no.	Product - Customer Drw	sheet 1 of 4
		0.XX	±0.25		title	10129175				
	angular	0°	±2°		dwg no	C				

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	De-Ming Lu	2014/02/24	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20						
surface	linear	0.X	±0.5							
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°							



Amphenol  
FCi

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spec ref	-	dr	De-Ming Lu	2014/02/24	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06			ecn no	ELX-DG-24036-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20						
surface	ISO 1302	appr	Pai-Ming Zheng	2016/05/24	<b>Amphenol FCI</b>			title VERT RECT 12P+16S HIGH POWER CARD EDGE	dwg no 10129175	rev C
		cat. no.			Product - Customer Drw			sheet 3 of 4		

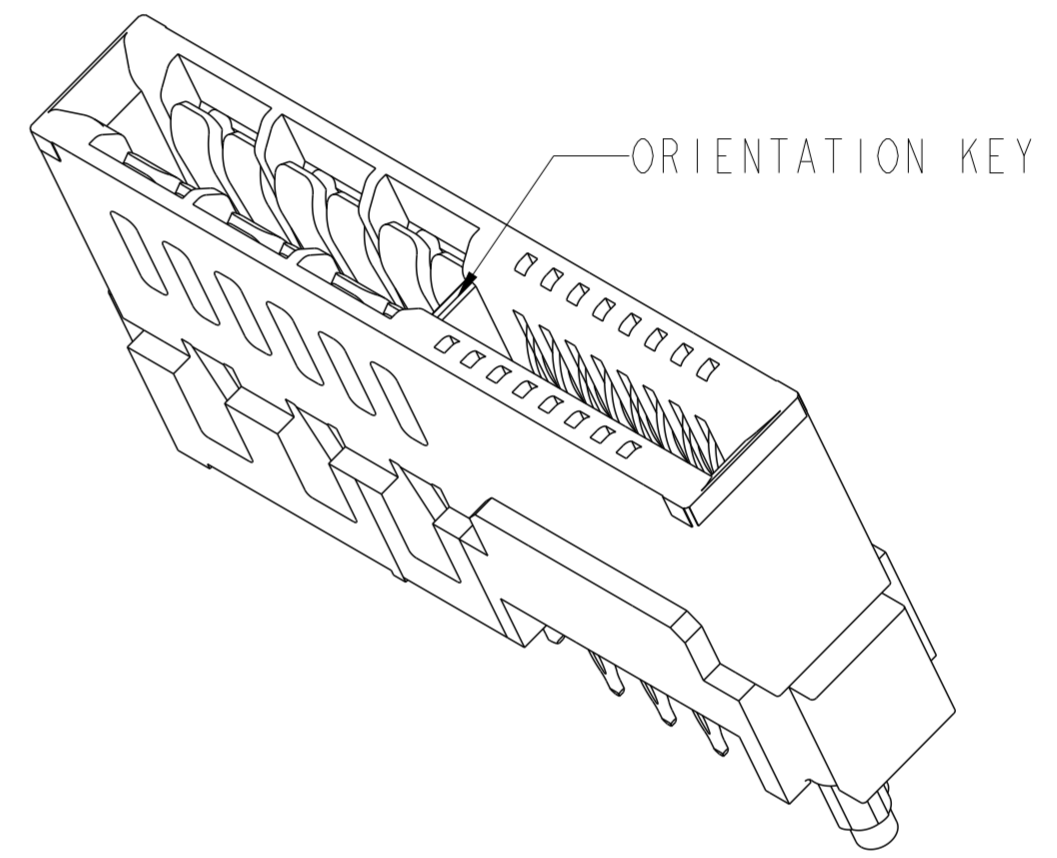
PDS: Rev :C

STATUS:Released

Printed: May 24, 2016

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10129175-001LF	SOLDER	YES	3.17 ± 0.25	1.59 - 2.38
10129175-002LF	SOLDER	NO		
10129175-003LF	PRESS-FIT	YES	3.17 ± 0.25	1.57 MIN
10129175-004LF	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  
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS  
 Ø 2.10 +/- 0.1 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING : 10119453.
- A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-	dr	De-Ming Lu	2014/02/24	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Sunny2 Liu	2016/05/06		← →	ecn no	ELX-DG-24036-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Terris Liu	2016/05/20			rel level	Released		
surface	linear	appr	Pei-Ming Zheng	2016/05/24	product family	VERT RECT 12P+16S		cat. no.	10129175	
ISO 1302	angular	Amphenol FCI		HIGH POWER CARD EDGE		rev	C			
Product - Customer Drw						sheet 4 of 4				