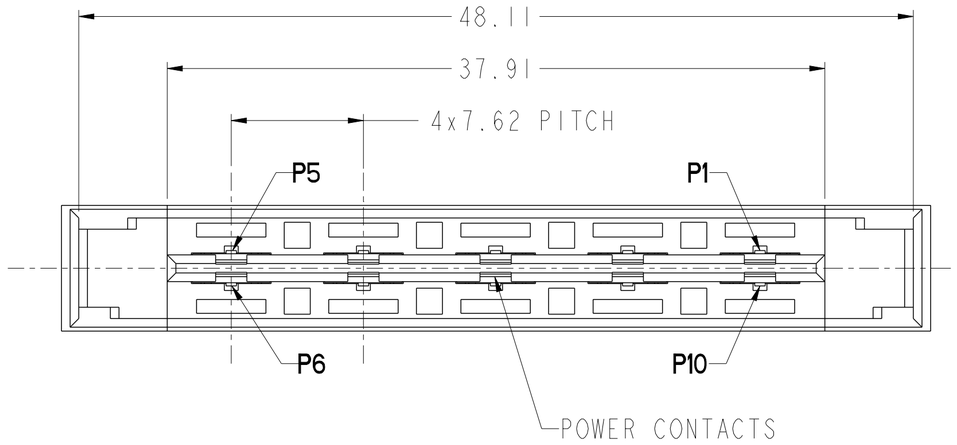
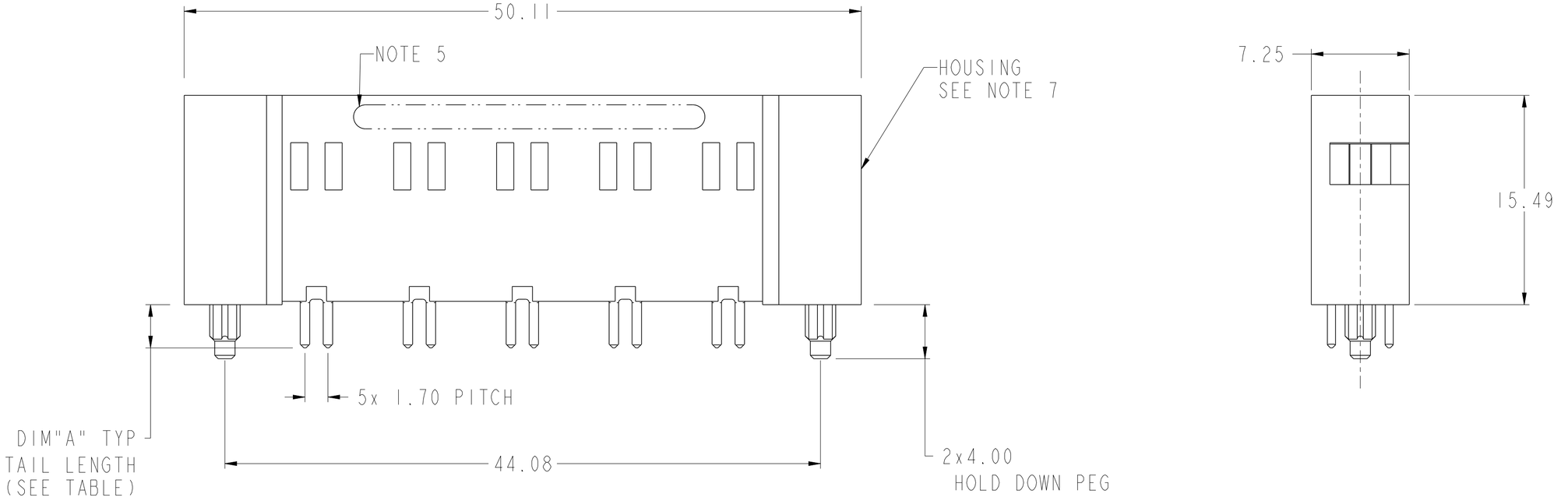
SOLDER TAIL TYPE DRAWING





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spec ref	-			dr	Hai-Ling Liu	2015/01/16	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Hai-Ling Liu	2016/03/01			ecn no ELX-DG-23383-1
				chr	Terris Liu	2016/03/01			
				appr	Pei-Ming Zheng	2016/03/01	product family -		rel level Released
surface - / ASME Y14.5	linear	0.X	±0.5	Amphenol FCi	title: HPCE CTB VERTICAL HEADER 10HP		dwg no 10133099		rev B
		0.XX	±0.25						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 1 of 4

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PDS: Rev :B | STATUS: Released | Printed: Mar 01, 2016

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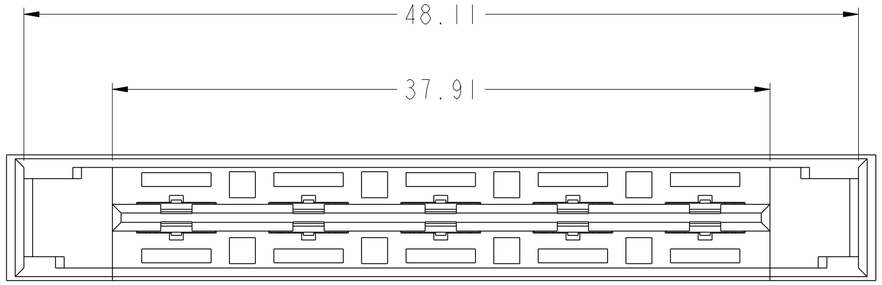
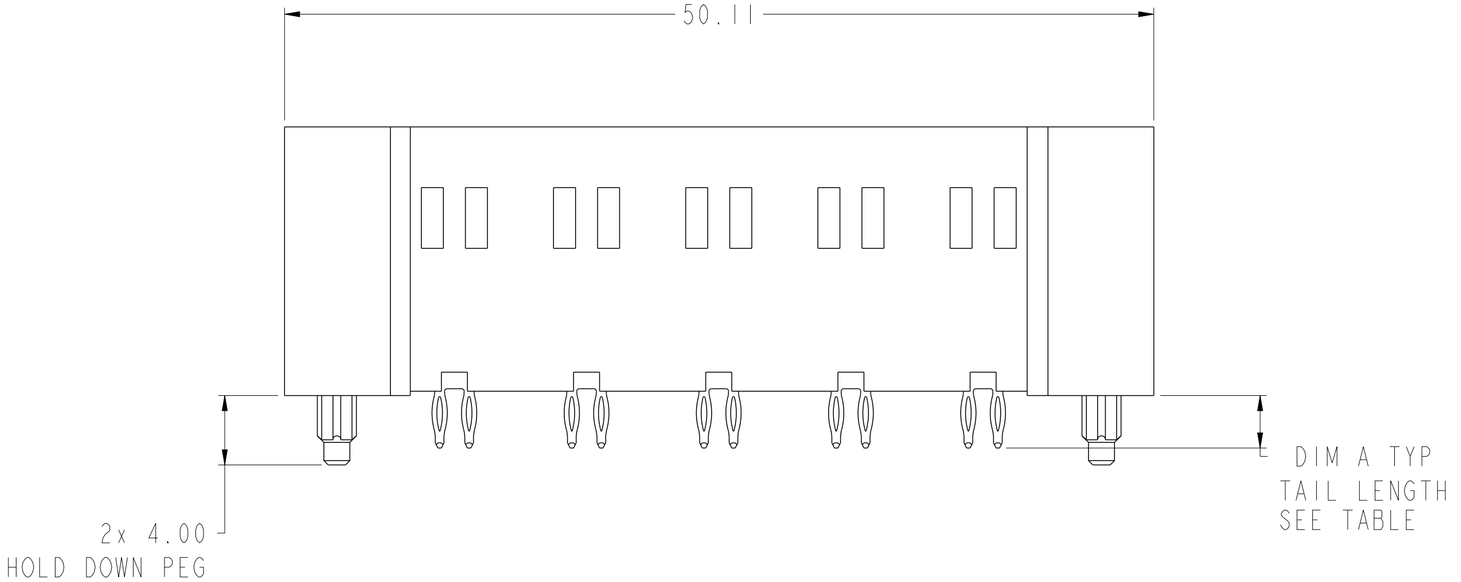
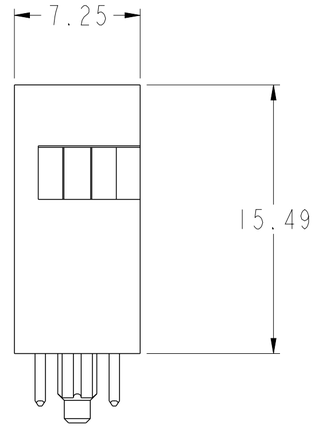
PRESS FIT TAIL TYPE DRAWING







ORTHER DIMMENSIONS ARE SAME AS PAGE 1(SOLDER TAIL TYPE)

spec ref	-			dr	Hai-Ling Liu	2015/01/16	projection	MM	size A2	scale 4:1
tolerance std ASME Y14.5 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Hai-Ling Liu	2016/03/01			ecn no	ELX-DG-23383-1
				chr	Terris Liu	2016/03/01				
				appr	Pei-Ming Zheng	2016/03/01	product family	-	rel level	Released
surface -	linear	0.X	±0.5	Amphenol FCi	title	HPCE CTB VERTICAL HEADER 10HP			dwg no	10133099	rev B
		0.XX	±0.25							
ASME Y14.5		0.XXX	±0.10							
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 2 of 4	

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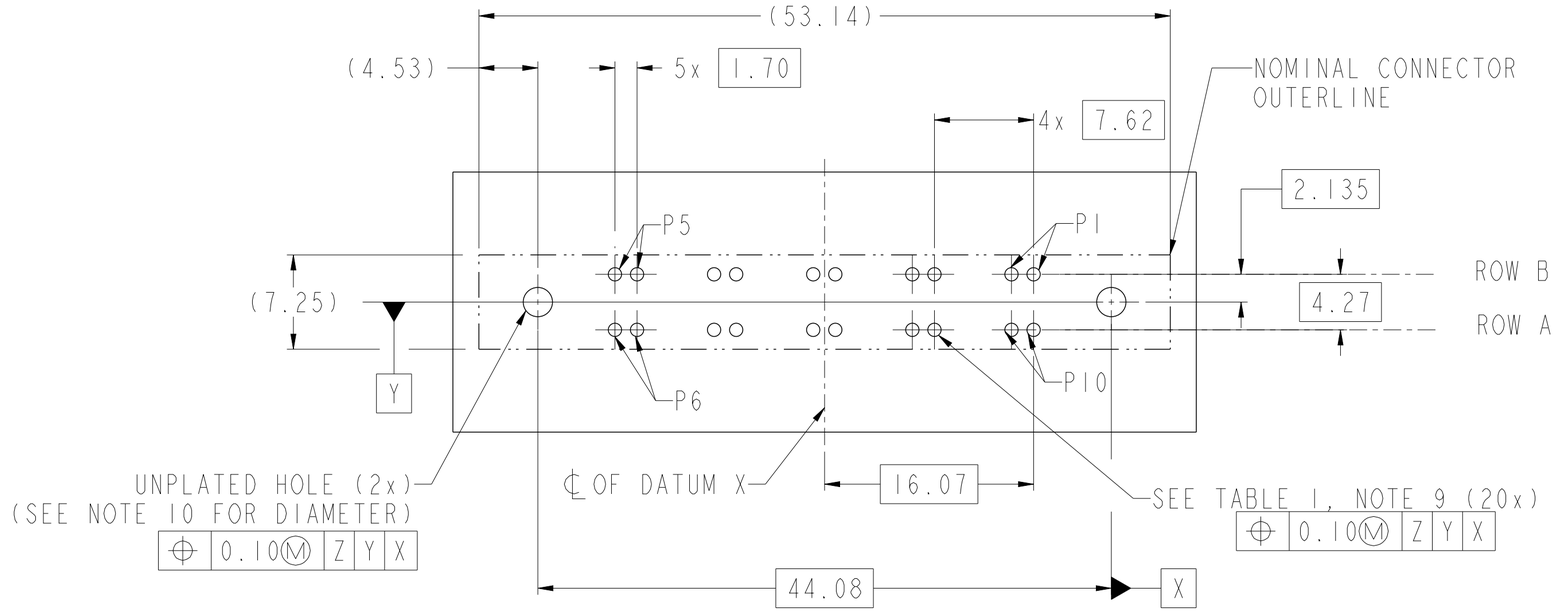
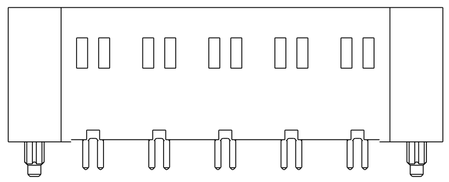
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	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 1 (HPCE / PRESS FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER	TIN-LEAD	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	8.10-8.60 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED PCB LAYOUT
VIEW FROM CONNECTOR SIDE



SCALE 2:1

spec ref	-			dr	Hai-Ling Liu	2015/01/16	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Hai-Ling Liu	2016/03/01			ecn no ELX-DG-23383-1
				chr	Terris Liu	2016/03/01			
				appr	Pei-Ming Zheng	2016/03/01	product family -		rel level Released
surface -	linear	0.X	±0.5	Amphenol FCi	title HPCE CTB VERTICAL HEADER 10HP			dwg no 10133099	rev B
		0.XX	±0.25						
ASME Y14.5		0.XXX	±0.10						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 3 of 4

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PRODUCT PART NUMBER

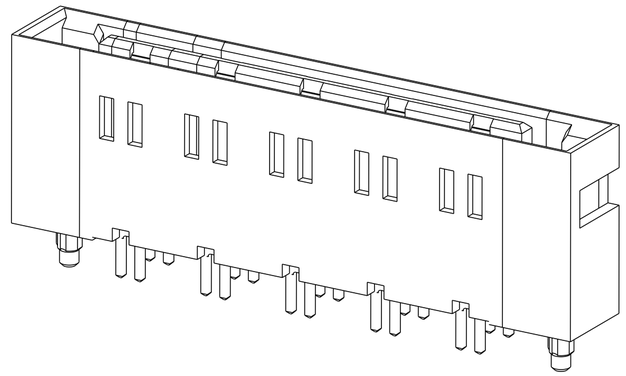
10133099-□□□□□LF

BASE PART NUMBER

CONTACT AREA PLATING
UNDERPLATED 50u"(1.27um) MIN. NICKEL
1: 30u"(0.760um) MIN. GXT

DIM "A", TAIL LENGTH
1: 2.60±0.25mm (STB TAIL,PCB THK 1.57±0.13mm)
2: 3.25±0.25mm (STB TAIL ,PCB THK 2.36±0.13mm)
3: 3.04±0.25mm (PF TAIL ,PCB THK 1.57MM MIN)

FIRST MATE LAST BREAK PIN POSITION
000: ALL PINS ARE LONG PINS SEE TABLE



NOTES:

1. CONNECTOR MATERIALS:
   HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT
   CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-1031 SECTION 5.2
3. PRODUCT SPECIFICATION: GS-12-1031
4. APPLICATION SPECIFICATION: GS-20-0369
5. PRODUCT MARKING (FCI PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.
10. MOUNTING HOLES ARE UNPLATED
    ∅ 2.25±0.05 FOR SOLDER TAILS
    ∅ 2.40±0.10 FOR PF TAILS

spec ref -			dr	Hai-Ling Liu	2015/01/16	projection	MM	size A2 / scale 4:1
tolerance std ASME Y14.5 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Hai-Ling Liu	2016/03/01			ecn no ELX-DG-23383-1
			chr	Terris Liu	2016/03/01			
			appr	Pei-Ming Zheng	2016/03/01	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±0.5	Amphenol FCi	title	HPCE CTB VERTICAL HEADER 10HP	dwg no 10133099	rev B
		0.XX	±0.25					
		0.XXX	±0.10					
	angular	0°	±2°		cat. no. -	Product - Customer Drw		sheet 4 of 4

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