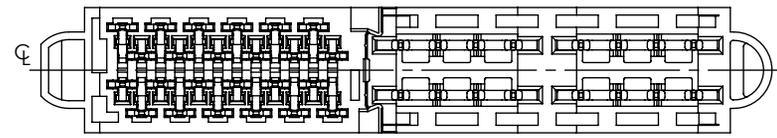
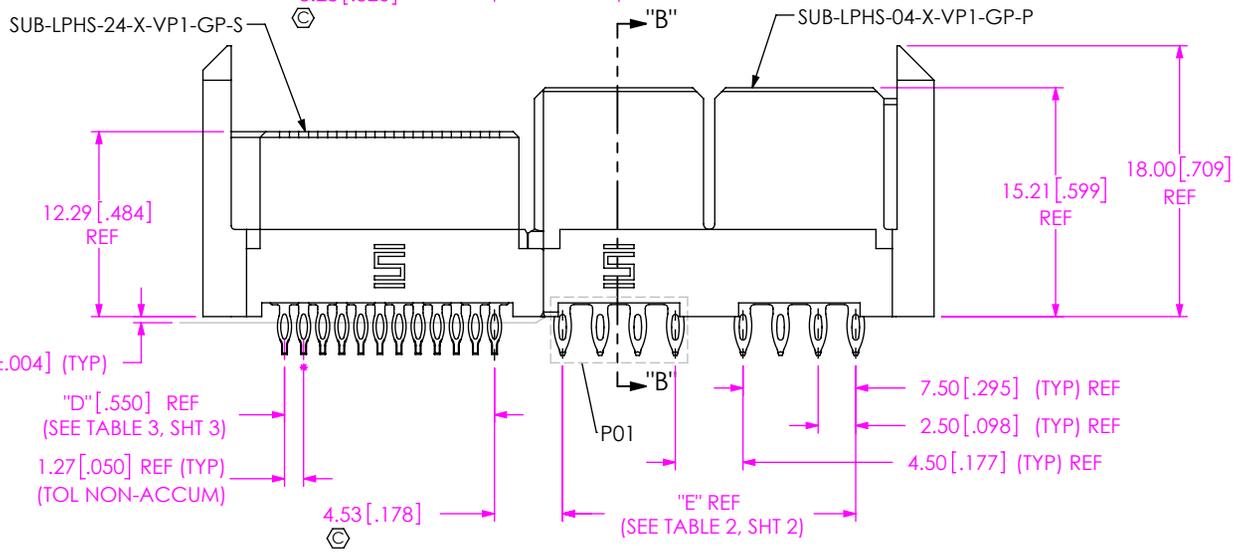
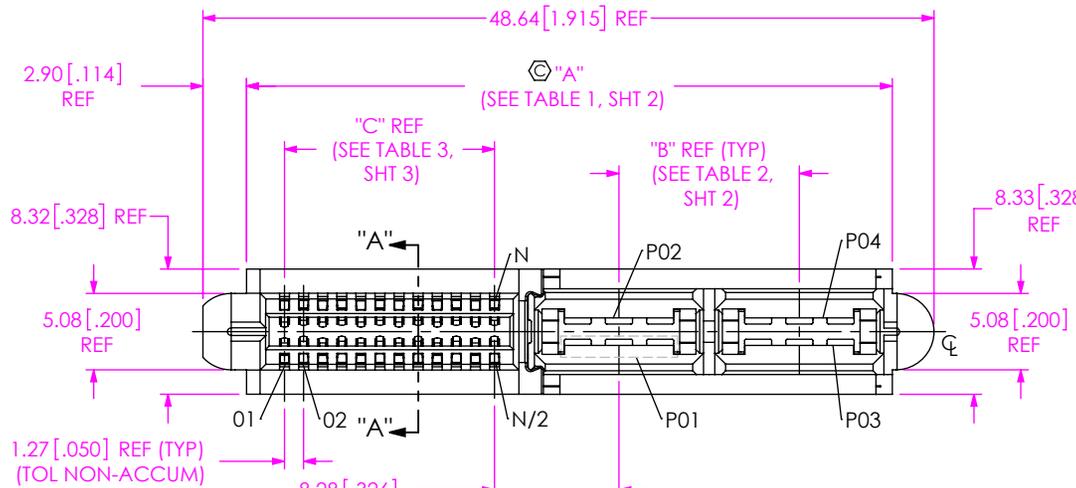


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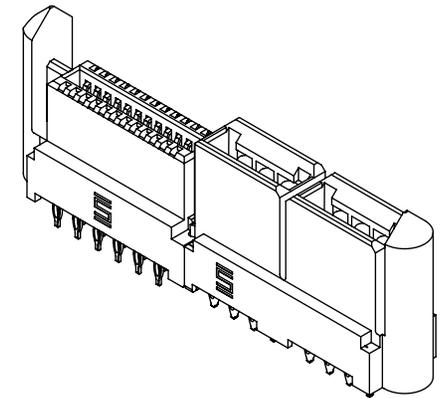
**POWER POS (TOTAL)**  
 -00, -02, -04, -06, -08, -10, \*-12, \*-14  
**SIGNAL POS (TOTAL)**  
 -00, \*-12, -16, -20, -24, -28, -32, \*-36, \*-40  
 (\* = NOT TOOLED)

**OPTION**  
 -GP: GUIDE POST  
 -BLANK: NO GP OPTION  
**TAIL**  
 -VP1: PRESS FIT  
 \*-VT1: FOR .062" BOARD  
 \*-VT2: FOR .093" BOARD

**PLATING SPECIFICATION**  
 -L: 10μ" GOLD IN CONTACT AREA, MATTE TIN TAIL  
 -S: 30μ" GOLD IN CONTACT AREA, MATTE TIN TAIL (SEE NOTE 6)

=(00 POWER POS & -00 SIGNAL POS NOT AVAILABLE ON -GP OPTION)

DESIGNED & DIMENSIONED IN MILLIMETERS(INCHES)



**TABLE 5**

POWER POS	BOW
-02, -04	0.15[.006]
-06, -08, -10, *-12, *-14	0.20[.008]

(\* = NOT TOOLED)

FIG 1  
 LPHS-04-24-X-VP1-GP SHOWN

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: 0.5 LBS OF SIGNAL & 3.0 LBS OF POWER PINS.
- MAXIMUM ALLOWABLE BOW SEE TABLE 5.
- ASSEMBLIES TO BE PACKAGED IN TRAYS.
- APPLICATION TOOLING REQUIRED FOR TERMINATIONS, SEE TABLE 6.
- SELECTIVE PLATING LUBRICATED WITH ACCL-53T WHICH CAN BE DETECTED USING A UVA ULTRAVIOLET LIGHT SOURCE.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 X.X: ±0.3[.01] 2°  
 X.XX: ±0.13[.005]  
 X.XXX: ±0.051[.0020]

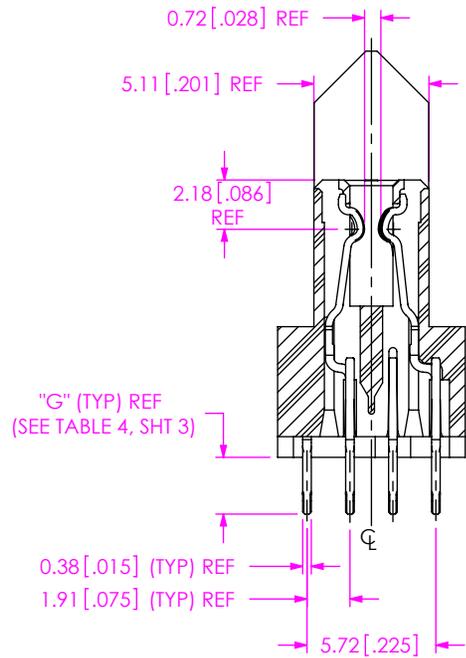
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
 INSULATOR: LCP ULV-0, COLOR: BLACK  
 TERMINAL: COPPER ALLOY



520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:	LPHS-VT ASSEMBLY	
DWG. NO.	LPHS-XX-XX-X-VXX-XX	
BY:	VICKY Z 12/10/2011	SHEET 1 OF 4



SECTION "A"-"A"

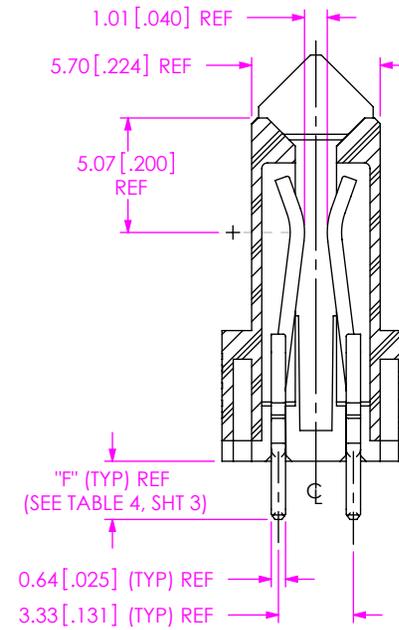


TABLE 1							
SIGNAL POS	POWER POSITION						
	-02	-04	-06	-08	-10	*-12	*-14
	"A"	"A"	"A"	"A"	"A"	"A"	"A"
*-12	23.34 [0.919]	35.34 [1.391]	47.34 [1.864]	59.34 [2.336]	71.34 [2.809]	83.34 [3.281]	95.34 [3.754]
-16	25.88 [1.019]	37.88 [1.491]	49.88 [1.964]	61.88 [2.436]	73.88 [2.909]	85.88 [3.381]	97.88 [3.854]
-20	28.42 [1.119]	40.42 [1.591]	52.42 [2.064]	64.42 [2.536]	76.42 [3.009]	88.42 [3.481]	100.42 [3.954]
-24	30.96 [1.219]	42.96 [1.691]	54.96 [2.164]	66.96 [2.636]	78.96 [3.109]	90.96 [3.581]	102.96 [4.054]
-28	33.50 [1.319]	45.50 [1.791]	57.50 [2.264]	69.50 [2.736]	81.50 [3.209]	93.50 [3.681]	105.50 [4.154]
-32	36.04 [1.419]	48.04 [1.891]	60.04 [2.364]	72.04 [2.836]	84.04 [3.309]	96.04 [3.781]	108.04 [4.254]
*-36	38.58 [1.519]	50.58 [1.991]	62.58 [2.464]	74.58 [2.936]	86.58 [3.409]	98.58 [3.881]	110.58 [4.354]
*-40	41.12 [1.619]	53.12 [2.091]	65.12 [2.564]	77.12 [3.036]	89.12 [3.509]	101.12 [3.981]	113.12 [4.454]

(\* = NOT TOOLED)

TABLE 2		
POWER POS	"B"	"E"
-00	N/A	N/A
-02	N/A	N/A
-04	12.00 [0.472]	19.50 [0.768]
-06	24.00 [0.945]	31.50 [1.240]
-08	36.00 [1.417]	43.50 [1.713]
-10	48.00 [1.890]	55.50 [2.185]
*-12	60.00 [2.362]	67.50 [2.657]
*-14	72.00 [2.835]	79.50 [3.130]

(\* = NOT TOOLED)

c:\enterprisevault\DWG\MISC\MKTG\LPHS-XX-XX-X-VXX-XX-MKT.SLDDRW

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 e-Mail info@SAMTEC.com code 55322

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DWG. NO. LPHS-XX-XX-X-VXX-XX

BY: VICKY Z 12/10/2011 SHEET 2 OF 4

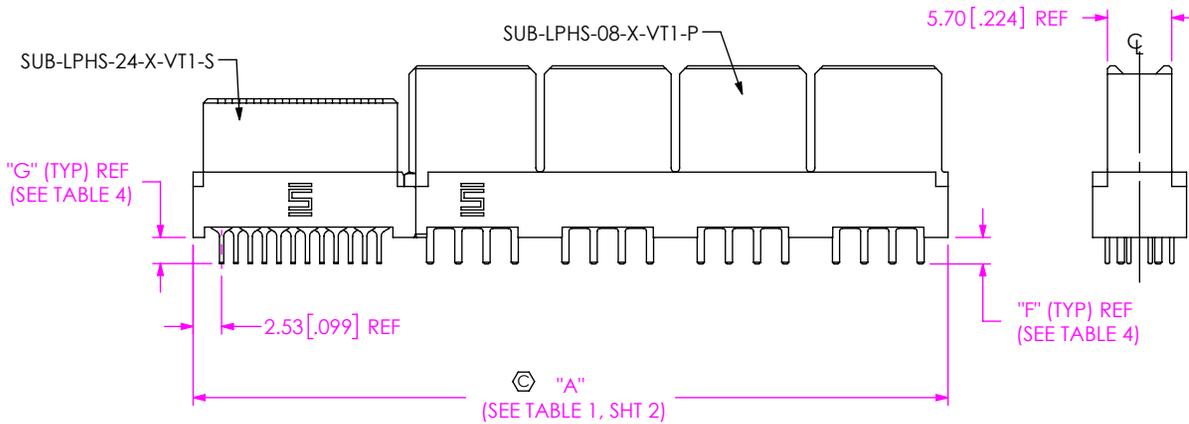
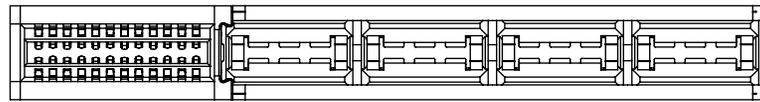


FIG 2  
LPHS-08-24-X-VT1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(NOT TOOLED)

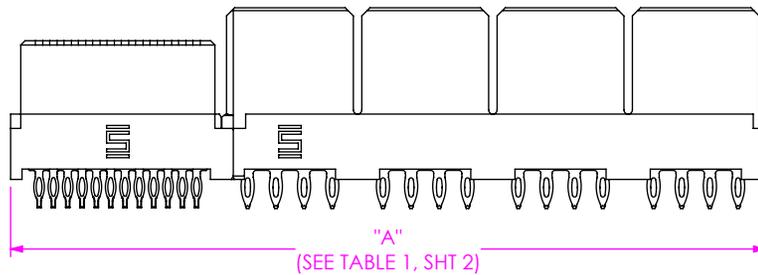


FIG 5  
LPHS-08-24-X-VP1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4				
TAIL	POWER		SIGNAL	
	CONTACT	"F"	CONTACT	"G"
-VP1	C-367-01-X	2.58[.102]	C-379-01-X & C-380-01-X	2.51[.099]
*-VT1	C-367-02-X	2.35[.093]	C-379-02-X & C-380-02-X	2.31[.091]
*-VT2	C-367-03-X	3.13[.124]	C-379-03-X & C-380-03-X	3.06[.120]

(\* = NOT TOOLED)

TABLE 6					
POWER POS	SIGNAL POS	CAT FIXTURE NO	POWER POS	SIGNAL POS	CAT FIXTURE NO
-02	*-12	CAT-PT-LPHS-02-12	-10	*-12	CAT-PT-LPHS-10-12
	-16	CAT-PT-LPHS-02-16		-16	CAT-PT-LPHS-10-16
	-20	CAT-PT-LPHS-02-20		-20	CAT-PT-LPHS-10-20
	-24	CAT-PT-LPHS-02-24		-24	CAT-PT-LPHS-10-24
	-28	CAT-PT-LPHS-02-28		-28	CAT-PT-LPHS-10-28
	-32	CAT-PT-LPHS-02-32		-32	CAT-PT-LPHS-10-32
-04	*-36	CAT-PT-LPHS-02-36	*-12	*-36	CAT-PT-LPHS-10-36
	*-40	CAT-PT-LPHS-02-40		*-40	CAT-PT-LPHS-10-40
	*-12	CAT-PT-LPHS-04-12		*-12	CAT-PT-LPHS-04-12
	-16	CAT-PT-LPHS-04-16		-16	CAT-PT-LPHS-04-16
	-20	CAT-PT-LPHS-04-20		-20	CAT-PT-LPHS-04-20
	-24	CAT-PT-LPHS-04-24		-24	CAT-PT-LPHS-04-24
-06	-28	CAT-PT-LPHS-04-28	*-14	-28	CAT-PT-LPHS-04-28
	-32	CAT-PT-LPHS-04-32		-32	CAT-PT-LPHS-04-32
	*-36	CAT-PT-LPHS-04-36		*-36	CAT-PT-LPHS-04-36
	*-40	CAT-PT-LPHS-04-40		*-40	CAT-PT-LPHS-04-40
	*-12	CAT-PT-LPHS-06-12		*-12	CAT-PT-LPHS-14-12
	-16	CAT-PT-LPHS-06-16		-16	CAT-PT-LPHS-14-16
-08	-20	CAT-PT-LPHS-06-20	*-14	-20	CAT-PT-LPHS-14-20
	-24	CAT-PT-LPHS-06-24		-24	CAT-PT-LPHS-14-24
	-28	CAT-PT-LPHS-06-28		-28	CAT-PT-LPHS-14-28
	-32	CAT-PT-LPHS-06-32		-32	CAT-PT-LPHS-14-32
	*-36	CAT-PT-LPHS-06-36		*-36	CAT-PT-LPHS-14-36
	*-40	CAT-PT-LPHS-06-40		*-40	CAT-PT-LPHS-14-40
-10	*-12	CAT-PT-LPHS-08-12	*-12	*-12	CAT-PT-LPHS-08-12
	-16	CAT-PT-LPHS-08-16		-16	CAT-PT-LPHS-08-16
	-20	CAT-PT-LPHS-08-20		-20	CAT-PT-LPHS-08-20
	-24	CAT-PT-LPHS-08-24		-24	CAT-PT-LPHS-08-24
	-28	CAT-PT-LPHS-08-28		-28	CAT-PT-LPHS-08-28
	-32	CAT-PT-LPHS-08-32		-32	CAT-PT-LPHS-08-32
-12	*-36	CAT-PT-LPHS-08-36	*-12	*-36	CAT-PT-LPHS-08-36
	*-40	CAT-PT-LPHS-08-40		*-40	CAT-PT-LPHS-08-40

(\* = NOT TOOLED)

TABLE 3		
SIGNAL POS	"C"	"D"
-00	N/A	N/A
*-12	6.35 [0.250]	6.35 [0.250]
-16	8.89 [0.350]	8.89 [0.350]
-20	11.43 [0.450]	11.43 [0.450]
-24	13.97 [0.550]	13.97 [0.550]
-28	16.51 [0.650]	16.51 [0.650]
-32	19.05 [0.750]	19.05 [0.750]
*-36	21.59 [0.850]	21.59 [0.850]
*-40	24.13 [0.950]	24.13 [0.950]

(\* = NOT TOOLED)

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DWG. NO. LPHS-XX-XX-X-VXX-XX

BY: VICKY Z 12/10/2011 SHEET 3 OF 4

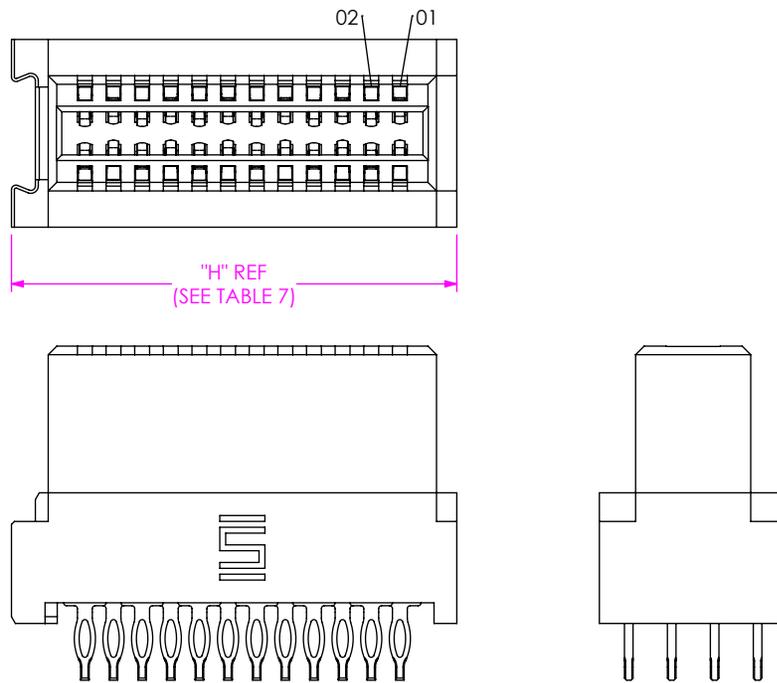


FIG 3  
LPHS-00-24-X-VP1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

**TABLE 7**

SIGNAL POS	POWER POSITION	
	-00	"H"
*-12	12.13	[0.478]
-16	14.67	[0.578]
-20	17.21	[0.678]
-24	19.75	[0.778]
-28	22.29	[0.878]
-32	24.83	[0.978]
*-36	27.37	[1.078]
*-40	29.91	[1.178]

(\* = NOT TOOLED)

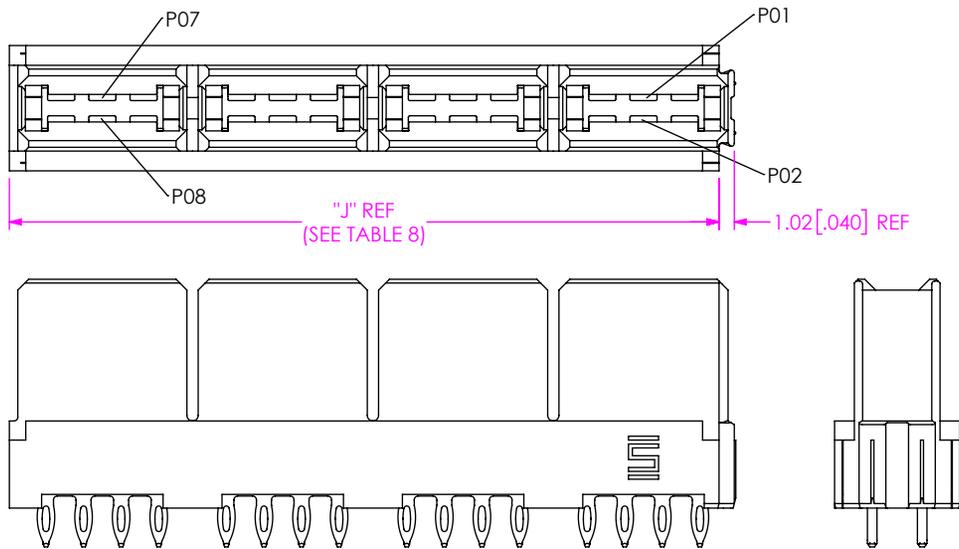


FIG 4  
LPHS-08-00-X-VP1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

**TABLE 8**

POWER POS	SIGNAL POSITION	
	-00	"J"
-02	11.21	[0.441]
-04	23.21	[0.914]
-06	35.21	[1.386]
-08	47.21	[1.859]
-10	59.21	[2.331]
*-12	71.21	[2.804]
*-14	83.21	[3.276]

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