REVISION W

DO NOT SCALE FROM THIS PRINT

LSEM-1XX-XX.X-X-DV-A-X-XX-TR

No OF POSITIONS
20,30,40,50

LEAD STYLE
* -02.5
-03.0
-04.0
-06.0

PLATING SPECIFICATION
-F: 3µ" OF AU IN THE CONTACT AREA, MATTE TIN ON TAIL
-L: 10µ" OF AU IN THE CONTACT AREA, MATTE TIN ON TAIL
-S: 30µ" OF AU IN THE CONTACT AREA, MATTE TIN ON TAIL (NOT AVAILABLE ON 02.5 LEAD STYLE)
-H: 30µ" OF AU IN THE CONTACT AREA AND 3µ" OF AU ON TAIL

PACKAGING(SEE NOTE 6)
-TR: TAPE & REEL

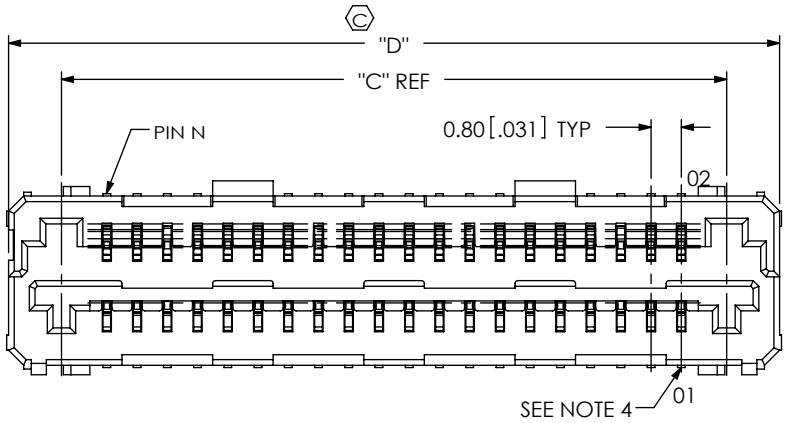
OPTION
-K: POLYIMIDE FILM (USE K-DOT-.217-.313-.005) (SEE FIG 3, SHT 3)
*-WT: WELD TAB (USE WT-36-XX-T, SEE FIG 4, SHT 3) (NOT AVAILABLE WITH **-S)

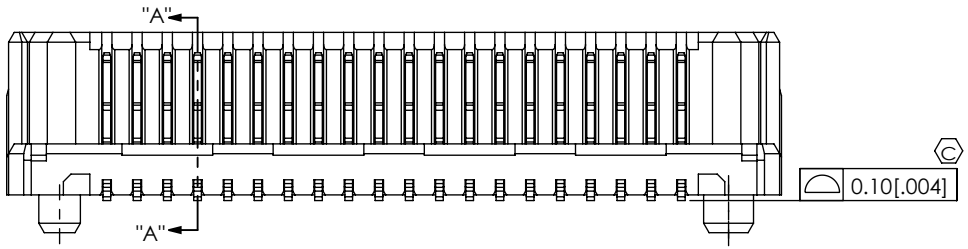
SHIELD
**-S: WITH SHIELD (NOT AVAILABLE WITH *-WT) (ONLY AVAILABLE ON -03.0 LEAD STYLE AND 20, 40 POS)
-N: NO SHIELD

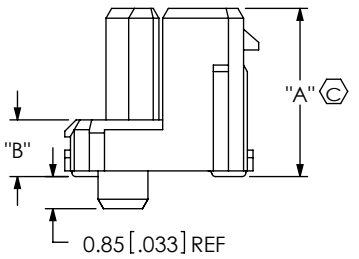
-A: ALIGNMENT PIN

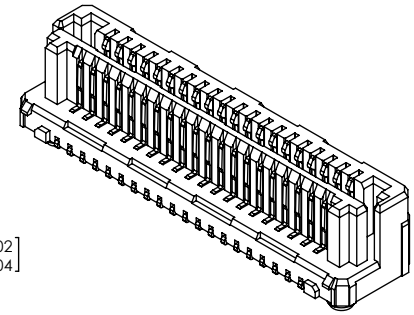
TAIL OPTION
DV: DUAL VERTICAL

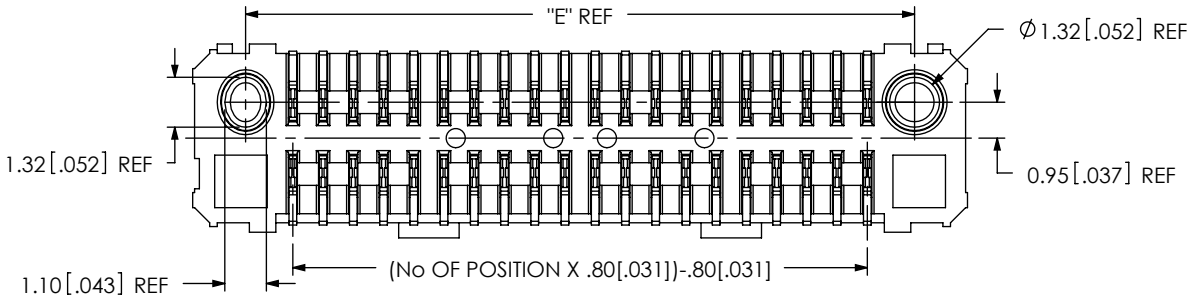
* = NOT TOOLED
** = ASO ONLY

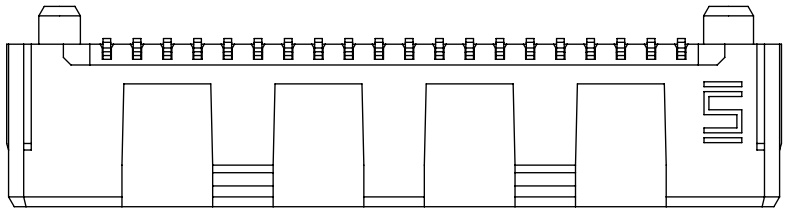


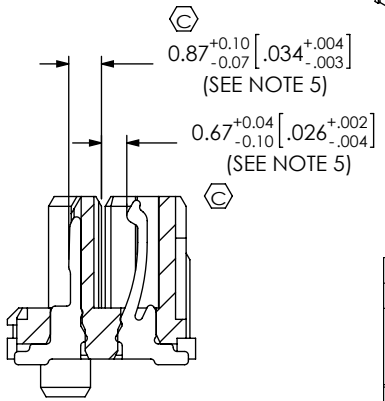












SECTION "A"-"A"

TABLE 5 REF			
STACK HEIGHT			
LSHM LEAD STYLE	-03.0	-04.0	-06.0
-03.0	6.0MM		
-04.0	7.0MM	8.0MM	
-06.0	9.0MM	10.0MM	12.0MM

FIG 1
(LSEM-1XX-XX.X-X-DV-A-N-XX SHOWN)

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: .038 [.0015].
3. MINIMUM PUSHOUT FORCE; TERMINALS: 2.22 N [.5 LBS], CONTACTS: 2.22 N [.5 LBS].
4. WHEN MATING WITH ANOTHER LSEM-DV, 01 WILL MATE WITH CONTACT 02 ON MATING CONNECTOR. WHEN MATING WITH A LSEM-DH, PIN 01 WILL MATE WITH PIN N, WHERE N = TOTAL NUMBER OF POSITIONS.
5. MEASURE FROM TOP OF VERTICAL WALL.
6. FOR QUANTITIES UP TO 49 PCS., NO LEADER , TRAILER OR REEL WILL BE SUPPLIED. FOR QUANTITIES OF 50-124 PCS., NO LEADER OR TRAILER WILL BE SUPPLIED.
7. FOR APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM

F:\DWG\MISC\MKTG\LSEM-1XX-XX.X-X-DV-A-X-XX-TR-MKT.SLDDRW

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

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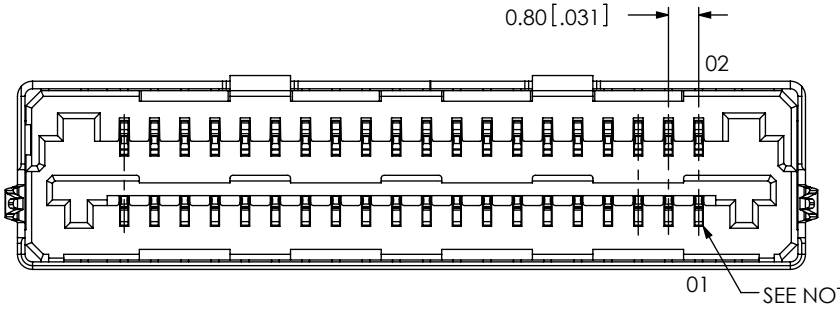
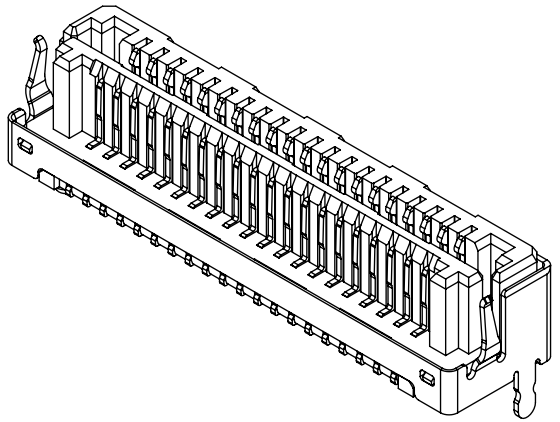
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 5:1
INSULATOR: BLACK LCP, UL 94 VO
CONTACT OR TERMINAL: PHOS BRONZE
SHIELD: STAINLESS STEEL

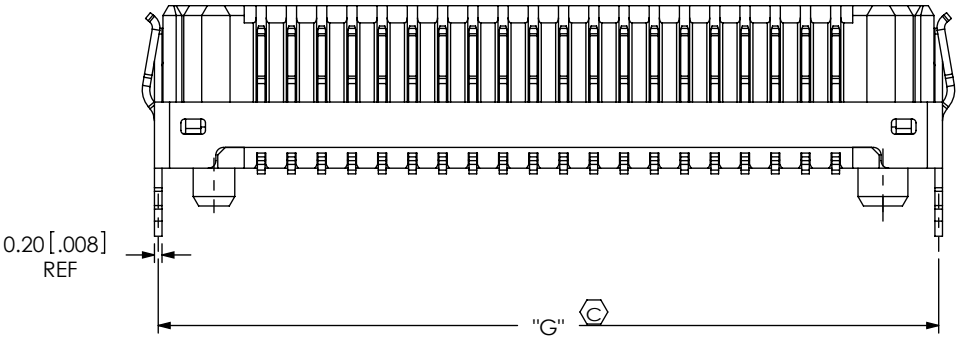
samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

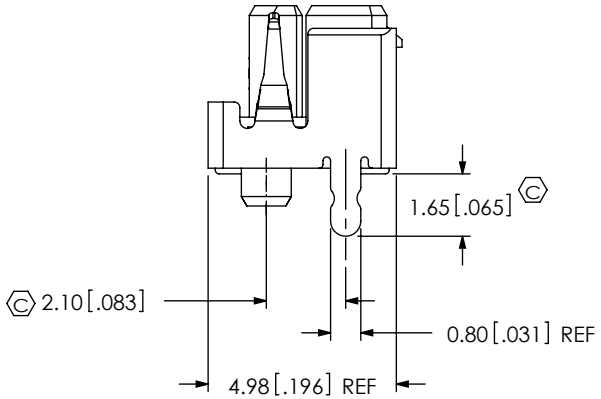
DESCRIPTION: 0.8mm PITCH TERMINAL/SOCKET COMBO
DWG. NO. LSEM-1XX-XX.X-X-DV-A-X-XX-TR
BY: CHADP 04/01/2009 SHEET 1 OF 3

REVISION W









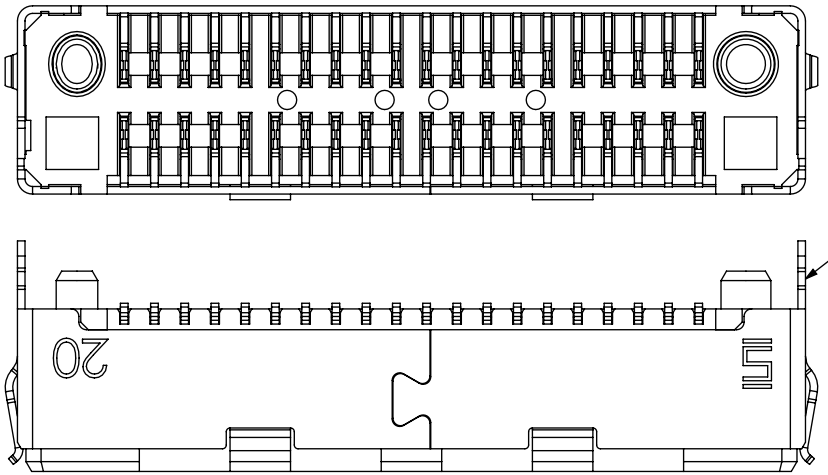


FIG 2 -S OPTION

** LSEM-1XX-XX.X-X-DV-A-S SHOWN
(SAME AS FIG1 DIFFERENT AS SHOWN)
(** = ASO ONLY)

F:\DWG\MISC\MKTG\LSEM-1XX-XX.X-X-DV-A-X-XX-TR-MKT.SLDDRW

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SHEET SCALE: 5:1

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

DESCRIPTION:
0.8mm PITCH TERMINAL/SOCKET COMBO

DWG. NO.
LSEM-1XX-XX.X-X-DV-A-X-XX-TR

BY: CHADP 04/01/2009 SHEET 2 OF 3

REVISION W

TABLE 2								
No OF POS	"C"	"D"	"E"	"F"	"G"	"H"	"L"	"M"
-20	17.60 [0.693]	20.40 [0.803]	17.70 [0.697]	15.2 [0.598]	20.65 [0.813]	7.48 [0.294]	23.36 [0.920]	21.72 [0.855]
-30	25.60 [1.008]	28.40 [1.118]	25.70 [1.012]	23.2 [0.913]	28.65 [1.128]	11.48 [0.452]	31.36 [1.235]	29.72 [1.170]
-40	33.60 [1.323]	36.40 [1.433]	33.70 [1.327]	31.2 [1.228]	36.65 [1.443]	15.48 [0.609]	39.36 [1.550]	37.72 [1.485]
-50	41.60 [1.638]	44.40 [1.748]	41.70 [1.642]	39.2 [1.543]	44.65 [1.758]	19.48 [0.767]	47.36 [1.865]	45.72 [1.800]

TABLE 3				
LEAD STYLE	BODY	CONTACT	SHIELD	
*-02.5	LSEM-XX-02.5-DV-A	C-261-01-X	-N	N/A
			**-S	*SH40-XX-02.5-DV-N
-03.0	LSEM-XX-03.0-DV-A	C-185-01-X	-N	N/A
			**-S	*SH40-XX-03.0-DV-N
-04.0	LSEM-XX-04.0-DV-A	C-185-03-X	-N	N/A
			**-S	*SH40-XX-04.0-DV-N
-06.0	LSEM-XX-06.0-DV-A	C-185-02-X	-N	N/A
			**-S	*SH40-XX-06.0-DV-N

(* = NOT TOOLED)
(** = ASO ONLY)

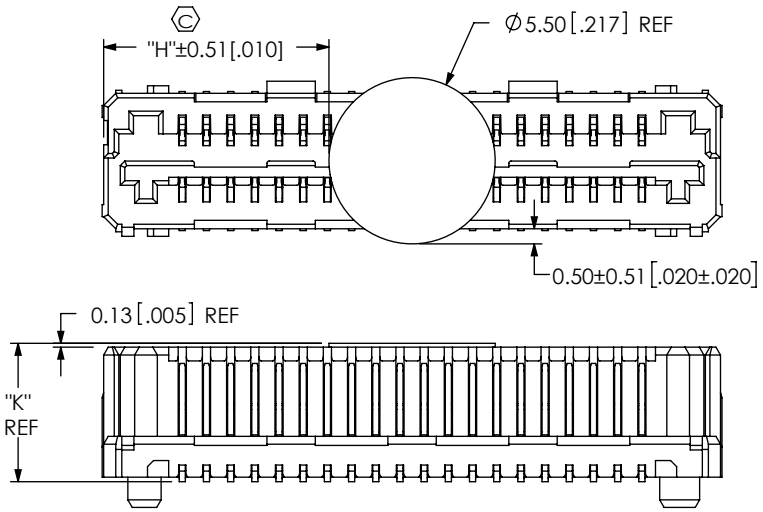

FIG 3 -K OPTION
LSEM-120-03.0-X-DV-A-N-K SHOWN
(SAME AS FIG 2 DIFFERENT AS SHOWN)

TABLE 1				
STYLE	"A"	"B"	"K"	"N"
*-02.5	3.95 [0.156]	1.00 [0.039]	4.08 [0.161]	0.09 [0.004]
-03.0	4.45 [0.175]	1.50 [0.059]	4.58 [0.180]	0.59 [0.023]
-04.0	5.45 [0.215]	2.50 [0.098]	5.58 [0.220]	0.31 [0.012]
-06.0	7.45 [0.293]	4.50 [0.177]	7.58 [0.298]	0.50 [0.020]

(* =NOT TOOLED)

TABLE 4	
STYLE	WELD TAB
*-02.5	WT-36-06-T
-03.0	WT-36-06-T
-04.0	WT-36-01-T
-06.0	WT-36-03-T

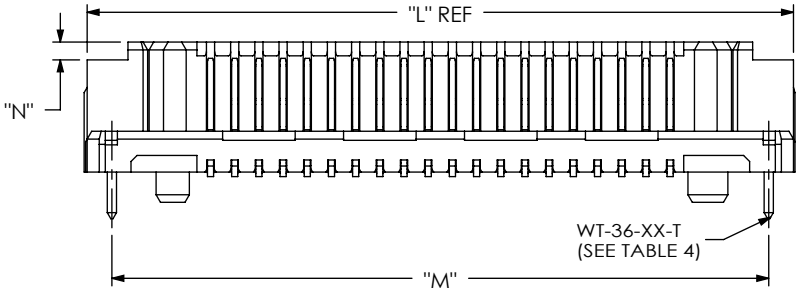

FIG 4 *-WT OPTION
* LSEM-1XX-XX.X-X-DV-A-N-WT SHOWN
(SAME AS FIG 1 DIFFERENT AS SHOWN)
(* =NOT TOOLED)

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BY: CHADP 04/01/2009 SHEET 3 OF 3

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