

## REVISION

A MS K Ashley  
2/21/2011 ECN-148957  
RELEASE FOR PRODUCTION  
B JS TWILD  
8/3/2013 ECN-209022

TOP VIEW: DEL C1, CHG 2.450 TO 2.4500, ADD '01 & '04'; FRONT VIEW: CHG 181 TO 221 REF, CHG DIA .034 TO .034 REF, DEL C10 & C13, CHG C11-F MV TO C11-B-I-OG, CHG DIA .044 TO .044 REF, CHG C12-B-MV TO C12-B-CP; DET 'B': DEL .0270 (SEE NOTE 4) & DEL C14, CHG C15-F-OG TO C15 B-I-SG, ADD .011 REF, CHG .004 (SEE NOTE 4) TO .002 +/- .003 (SEE NOTE 4 & 9), CHG C16-B-MV TO C16-B-I-OG; NOTES: CHG NOTE 3 FROM "MINIMUM PUSHOUT FORCE: 0.75 LBS." TO "MINIMUM PUSHOUT FORCE: 0.50 LBS.", CHG NOTE 4 FROM "DIMENSION ... ALL FOUR CORNERS" TO "DIMENSION C16 MUST BE FOR PROCESS", DEL NOTE 7 "SOLDER CHARGE VOLUME ...", ADD NOTE 9 & C22; BOM - ITEM 1: CHG - ITEM 1: COPPER ALLOY TO TERMINAL: COPPER ALLOY/LEAD FREE SOLDER" & ADD C23; MATERIAL BLOCK: DEL "SOLDER COMPOSITION ..."; SHT 2, SECT "A": ADD (TYP) TO .056 +/- .002-.004, CHG C17-B-MV TO C17-B-I-OG, CHG .016 +/- .003 (TYP) TO .0175 +/- .0030 (TYP) & CHG C18-B MV TO C18-D-AM, CHG .044 (TYP) TO .0470/.0410 (TYP), CHG .056 +/- .003 TO .0590/.0530 & CHG C20-B-MV TO C20-B-I-OG, ADD .186 (INCL K DOT) & C21; ADD CPC INSPECTION TABLE

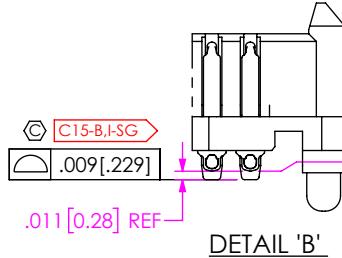
C SC J FREEMAN  
5/30/2018 ECN-328888  
BOM - ITEM 1: CHG S-SEAM-50-2.0-L-04-2-A-GP-K TO S-SEAM-50-2.0-S-04-2-A-GP-K; TITLE BLOCK - PLATING: CHG "... .000010 MIN GOLD..." TO "... .000030 MIN GOLD..."

## NOTES:

- STANDARD PART SET UP AS ASP FOR VITA74.
- REPRESENTS A CRITICAL DIMENSION.
- MINIMUM PUSHOUT FORCE: 0.50 LBS.
- DIMENSION C16 MUST BE MEASURED USING INSPECTION FIXTURE AT 1817-836-1, USE CO-AU-WI-2003-M FOR PROCESS.
- ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
- SEE RECOMMENDED FOOTPRINT DRAWING FOR STENCIL REQUIREMENTS.
- NOTE DELETED.
- PARTS TO BE PACKAGED IN TAPE AND REEL.
- MAXIMUM ROW TO ROW VARIATION .003[.008], MEASURED FIRST & LAST POSITIONS ONLY, ALL ROWS.

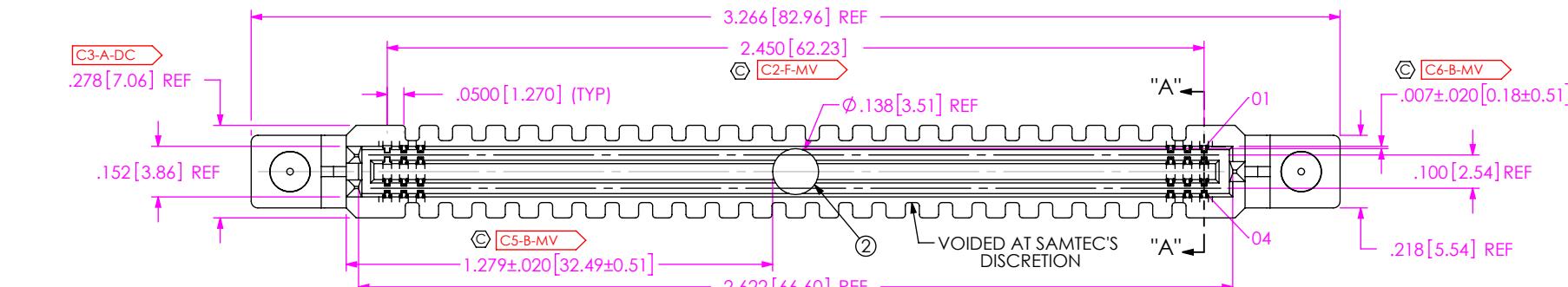
DO NOT UPDATE  
OR ADD REVISION WITHOUT  
APPROVAL THROUGH THE  
STANDARDS GROUP

C22-B-I-OG

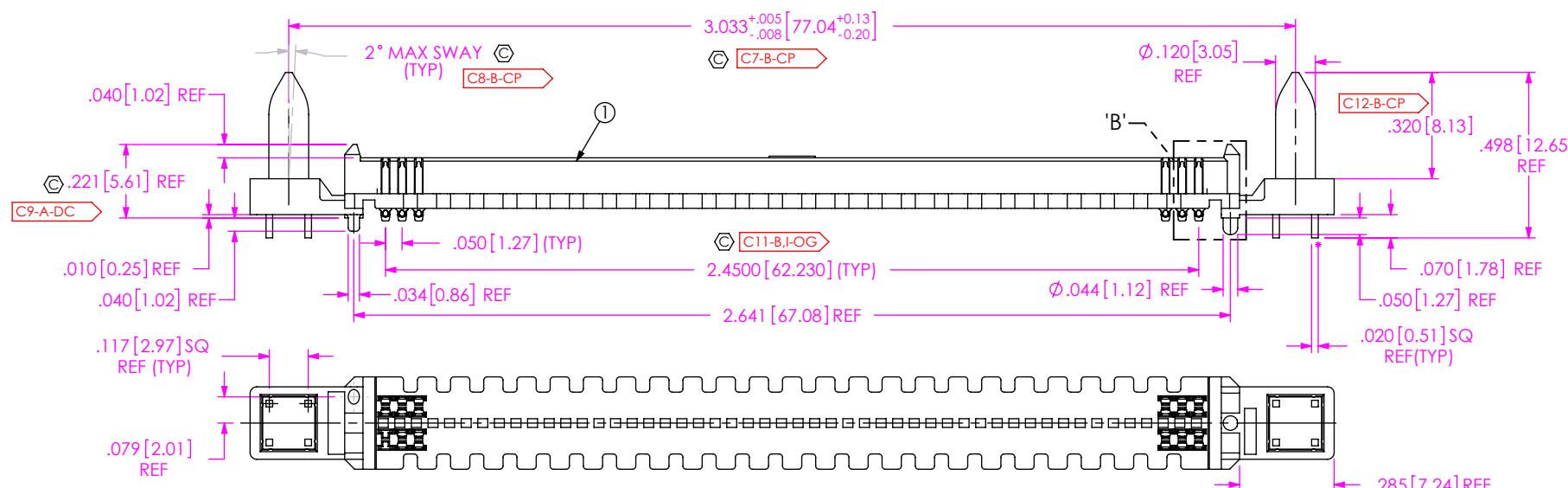


DETAIL 'B'

○ C16-B-I-OG  
.002±.003[.05±.08]  
(SEE NOTE 4 & 9)



(SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



C

ITEM NO.	PART NUMBER	QUANTITY	MATERIAL
1	S-SEAM-50-2.0-S-04-2-A-GP-K	1.0000	INSULATOR: LCP, COLOR: BLACK TERMINAL: COPPER ALLOY/LEAD FREE SOLDER
2	K-DOT-.138-.250-.005	1.0000	POLYIMIDE FILM
3	CT-SEAM082TP	.00571	CONDUCTIVE POLYMER
4	SEAX-0001	.01000	LABEL

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS                    ANGLES  
.XX: .01 [.3]  
.XXX: .005 [.13]  
.XXXX: .00020 [.051]

PLATING                    DO NOT SCALE DRAWING  
TERMINAL: .000030 MIN GOLD OVER .000050 NICKEL  
REMAINDER: .000100 TIN OVER .000050 NICKEL

GUIDE POST:  
ENTIRE CONTACT: .000100 TIN OVER .000050 NICKEL

F:\DWG\SW\ASP\16100\ASP-161073-01.SLDDRW

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CONTACT: .000100 TIN OVER .000050 NICKEL

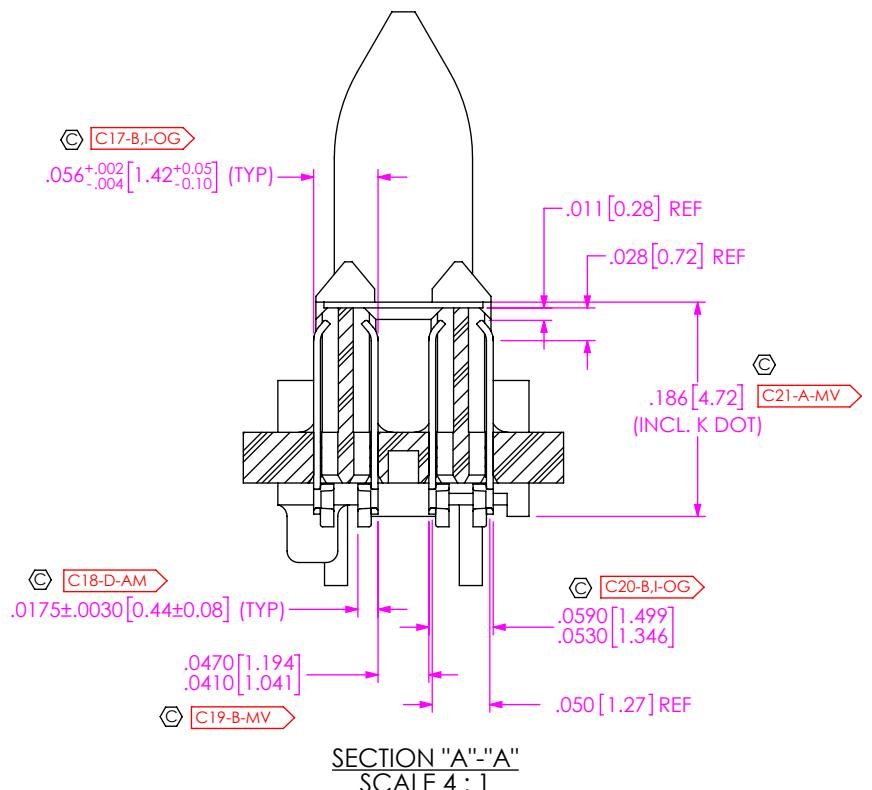
REMAINDER: .000100 TIN OVER .000050 NICKEL

C

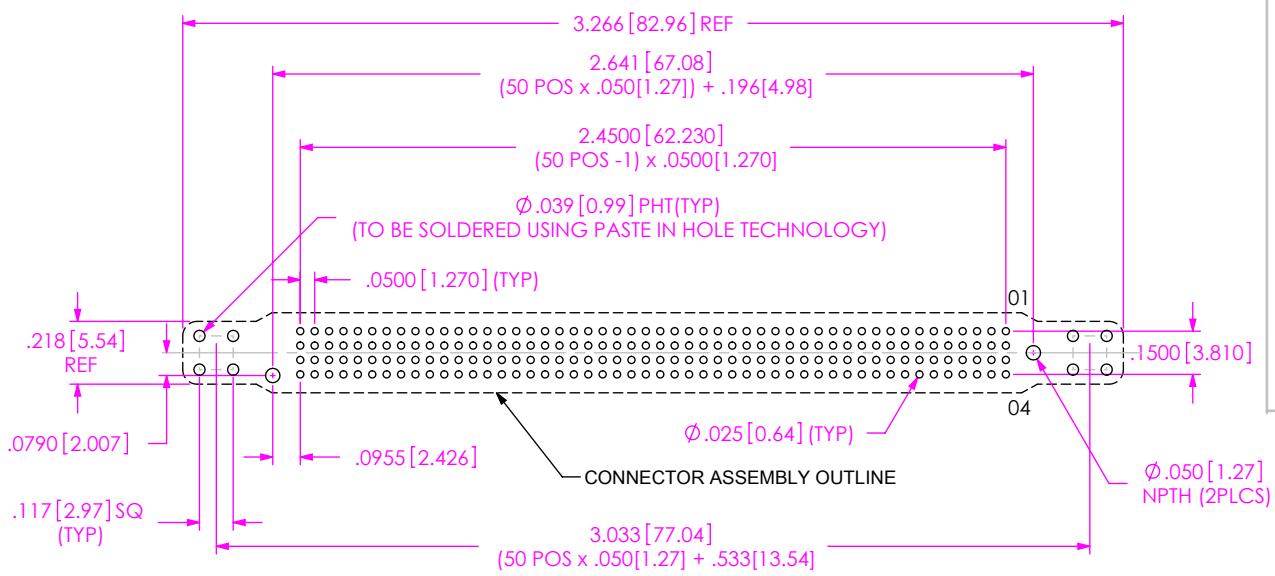
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
.050 PITCH TERMINAL ARRAY ASSEMBLY  
DWG. NO.  
ASP-161073-01  
BY:M SOLANO 02-21-2011 SHEET 1 OF 2

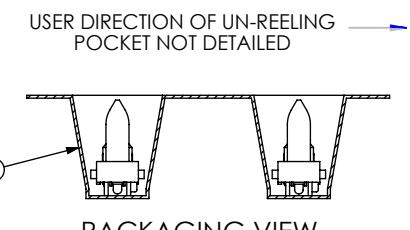
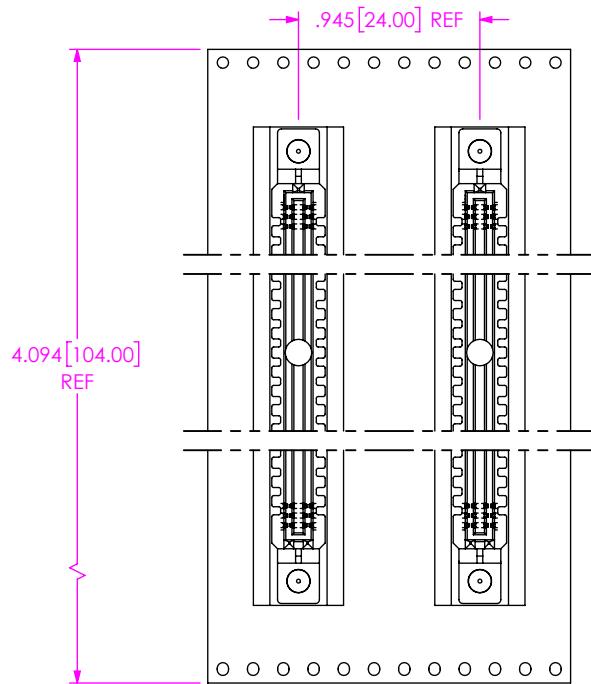
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SECTION "A"- "A"  
SCALE 4:1



RECOMMENDED FOOTPRINT



CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN-PROCESS INSPECTION
FILL NEW-SUB-T-1M36	C2, C3, C9, C11, C15, C16, C17, C19, C20, C22
ADD PAD	C5, C6, C21
ADD -GP OPTION	C7, C8, C12
FINISHED GOOD INSPECTION	C23
CPCs INTENTIONALLY DELETED: C1, C10, C13, C14	

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

**Samtec**

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: .050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.

ASP-161073-01

BY: M SOLANO 02-21-2011 SHEET 2 OF 2