

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-31386-200
- b. PRODUCT SPECIFICATION SEE: PS-31386-200
- c. PACKAGING SPECIFICATION: PK-31301-916
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. DIMENSIONS AND TOLERANCES ARE VALID FOR THE AS SHIPPED SHROUD ASSEMBLY
- g. REFERENCE GM INTERFACE CONTROL DRAWINGS (ICD):
 - 1. 12582683
 - 2. 12642694

2. DESIGN - MATERIALS:

- a. PLASTIC: 30% GF PBT, SEE CHART FOR COLOR
- b. SIGNAL PIN PLATING:
 - UNDERPLATING (OVERALL): NICKEL 1.27-2.54 μ m
 - GOLD (MATE SIDE): 0.76 μ m MIN
 - SILVER (MATE SIDE): 1.90-3.30 μ m
 - TIN (SOLDER TAIL): 5.08-10.16 μ m BRIGHT FINISH

3. DESIGN - GEOMETRY:

- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR ALL NON-DIMENSIONAL FEATURES. DRAWING DIMENSIONS SHALL BE MET WHEN DIFFERENCES EXIST BETWEEN THE DRAWING AND THE CAD MODEL. UNDERLINED DIMENSIONS OR DIMENSIONS INDICATED AS 'EDITED' MAY BE DIFFERENT FROM THE 3D MODEL GEOMETRY. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994
- d. GENERAL TOLERANCES: - SEE TABLE

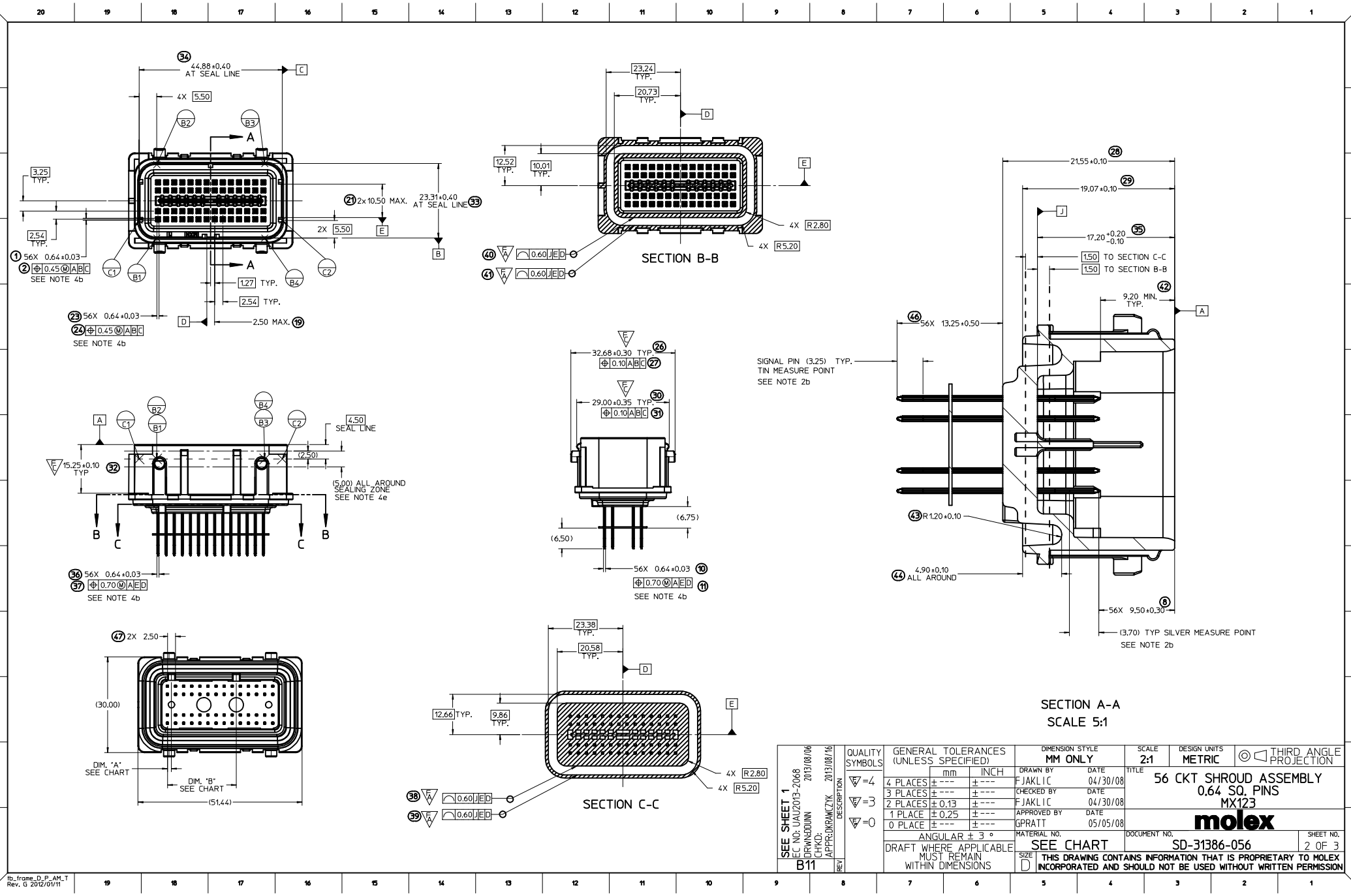
4. DESIGN - MANUFACTURING:

- a. HUMAN READABLE LASER MARKING
 - 1. INFORMATION TO BE PRINTED:
 - DDDY - 4 DIGIT JULIAN DATE CODE
 - S_HH - STITCHER NUMBER, HOUR NUMBER (24 HOUR CLOCK)
 - MMMM - LAST FOUR DIGITS OF MOLEX MATERIAL NUMBER
 - 2. SIZE: HUMAN LEGIBLE
- b. PIN MATE SIDE AND PCB SIDE TRUE POSTION TO BE VERIFIED ONLINE WITH A GO/NO GO FUNCTIONAL GAGE.
- c. ANTI-TARNISH FOR Ag PLATING ONLY: SYTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN. 3.7mm FROM PIN TIP).
- d. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
- e. THERE SHALL BE NO PERMISSIBLE DEFECTS THAT COULD POTENTIALLY PROHIBIT THE FUNCTIONALITY WITHIN THE SEALING SURFACE/ZONE SUCH AS PARTING LINES, MISMATCHES, SINK, TEXTURE VARIATIONS, SCRATCHES/GOUGES, SHORT FILL, PROTRUSIONS, PITS, DENTS/NICKS, BLISTERS OR EJECTOR MARKS.

B11	UPDATED NOTE 1c SAP# 10607192
B9	Ag PARTS TO SALEABLE SAP# 10594581
B8	ADDED NOTE 4d, e & SEALING ZONE ON PG 2 SAP# 10586362
B7	EDITED DIM & NOTES REMOVED NOTES 3e-3i & 4a-4i FROM PREVIOUS REV SAP# 10580347
B6	EDITED STATUS OF Ag PARTS SAP# 10579378
B5	EDITED DIMS. ADDED NOTES ON SHEET 1, DATUM D & E, UPDATED VIEWS AND FUNCTIONALS SAP# 10576862
REV	DESCRIPTION

INSPECTION BALLOON # LOG									
PER DRAWING REVISION: B8									
LAST BALLOON NUMBER USED: 47									
ADDED BALLOON NUMBERS: 1, 2, 8, 17, 18, 19, 21, 23, 24, 26-44, 46, 47									
REMOVED BALLOON NUMBERS: 3-7, 9-16, 20, 22, 25									
SEE REV COLUMN SEC NO: UAU2013-2068 DRAWN DOWN CHKO: APPROX:DKRMCTYK 2013/08/16 REV B11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		2:1	METRIC		
	$\nabla=0$	4 PLACES $\pm$ ---	$\pm$ ---	DRAWN BY	DATE	56 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123 molex SD-31386-056 SHEET NO. 1 OF 3			
	$\nabla=0$	3 PLACES $\pm$ ---	$\pm$ ---	CHECKED BY	DATE				
	$\nabla=0$	2 PLACES ± 0.13	$\pm$ ---	FJAKLIC	04/30/08				
	1 PLACE ± 0.25	$\pm$ ---	FJAKLIC	04/30/08					
	0 PLACE $\pm$ ---	$\pm$ ---	APPROVED BY	DATE					
			GPRATT	05/05/08					
		ANGULAR $\pm 3^\circ$		MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

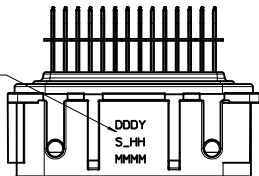


SECTION A-A
SCALE 5:1

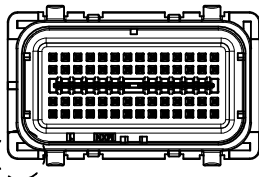
SEE SHEET 1 SEC NO: UAU2013-2068 DRAWN BY: CHYO CHKD: APPR: DRAMCZYK B11	QUALITY SYMBOLS ▽=4 ▽=3 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: DATE: FJAKLIC 04/30/08 CHECKED BY: DATE: FJAKLIC 04/30/08 APPROVED BY: DATE: GPRATT 05/05/08 MATERIAL NO. SIZE: D	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 56 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123 molex DOCUMENT NO. SD-31386-056	SHEET NO. 2 OF 3

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M	SHROUD ASSEMBLY NUMBER	MATE SIDE PIN FINISH	HOUSING COLOR	HARNESS SIDE KEY CODE	PCB SIDE KEY LOCATION		MATING HARNESS PART NUMBER (OPT 0, OPT 9)	STATUS													
					DIM. "A" ± 0.30	DIM "B" ± 0.30															
	31386-2001	GOLD	BLUE	G	6.35	26.67	345760703 345761903	SALEABLE													
L	31386-2002	GOLD	GRAY	H	1.27	21.59	345760803 345762003	SALEALBE													
	31386-2020	SILVER	BLUE	G	6.35	26.67	345760703 345761903	SALEABLE													
	31386-2021	SILVER	GRAY	H	1.27	21.59	345760803 345762003	SALEABLE													

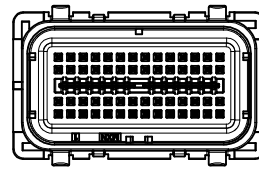
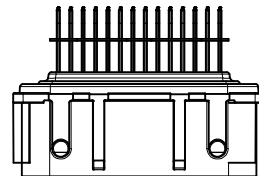
SHROUD ASSEMBLY
TRACEABILITY INFORMATION
FOR MOLEX INTERNAL
USE ONLY (SEE NOTE 4a)



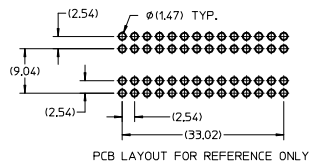
MATE SIDE
POLARIZATION KEY
AT CORNERS



KEY OPTION "G"

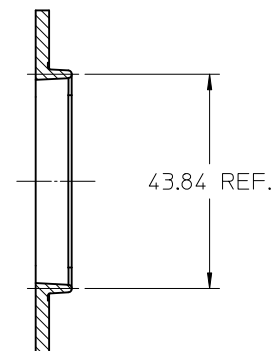
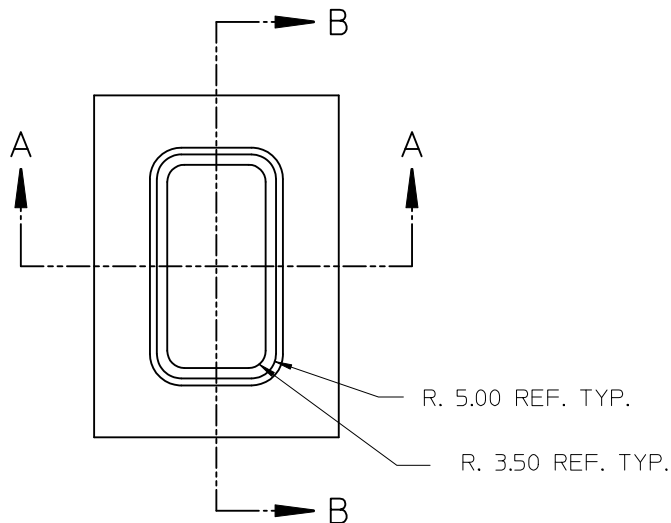
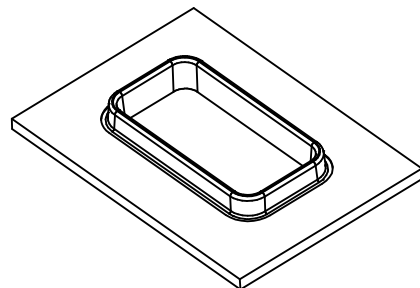


KEY OPTION "H"

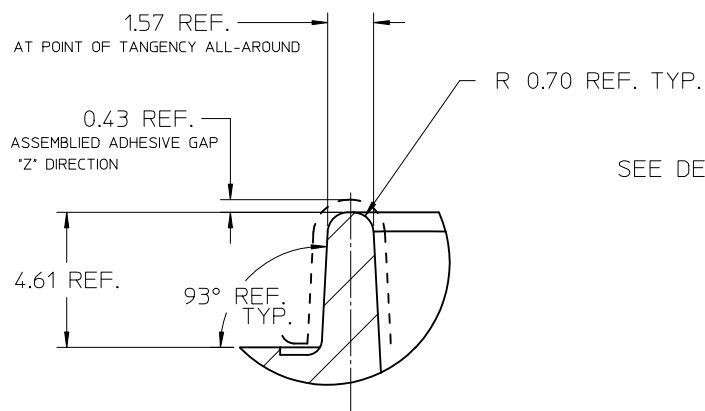


PCB LAYOUT FOR REFERENCE ONLY

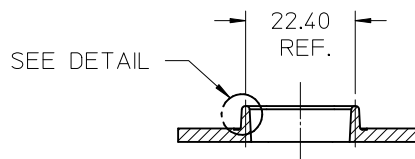
SEE SHEET 1 SEC NO: UAU2013-2068 DRAWN/DOWN: 2013/08/06 CHKD: APPR:DKR/MCZYK 2013/08/16 REV B11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 56 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123 molex	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-31386-056	SHEET NO. 3 OF 3



SECTION B-B



DETAIL 6:1



SECTION A-A

ENTER DESCRIPTION EC NO: UAU2012-1624 DRAWN: DOUNN 2013/01/30 CHKD: JOUNAJ 2013/02/07 APPR: DKRAWCZYK 2013/02/19	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY F JAKLIC	DATE 11/21/2008	TITLE SMALL FOOTPRINT ADHESIVE TONGUE GEOMETRY		
				4 PLACES	± ---	± ---	CHECKED BY G PRATT	DATE 11/21/2008			
				3 PLACES	± ---	± ---	APPROVED BY DKRAWCZYK	DATE 2013/02/19	MOLEX INCORPORATED		
				2 PLACES	± ---	± ---	MATERIAL NO.	DOCUMENT NO. SD-31386-156			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				