

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION: AS-31386-200
- b. PRODUCT SPECIFICATION: PS-31387-200
- 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 AS SHIPPED SHROUD ASSEMBLY
- g. REFERENCE GM INTERFACE CONTROL DRAWINGS (ICD)
  - 1. 12582682 (Au)
  - 2. 12642695 (Ag)

2. DESIGN - MATERIALS:

- a. PLASTIC: PBT 30% GF - SEE CHART FOR COLOR
- b. SIGNAL PIN PLATING:
  - UNDERPLATE: NICKEL 1.27-2.54  $\mu$ m
  - SELECT GOLD OPTION: 0.76  $\mu$ m MIN.
  - SELECT SILVER OPTION: 1.90-3.30  $\mu$ m MIN
  - SOLDER TAIL SELECT TIN: 5.08-10.16  $\mu$ 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:
    - DDD - 4 DIGIT JULIAN DATE CODE
    - S\_HH - SIXTHCER 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 POSITION TO BE VERIFIED ONLINE WITH A GO/NO-GO FUNCTIONAL GAGE.
- c. ANTI-TARNISH FOR Ag PLATING ONLY: SYNTHETIC 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.

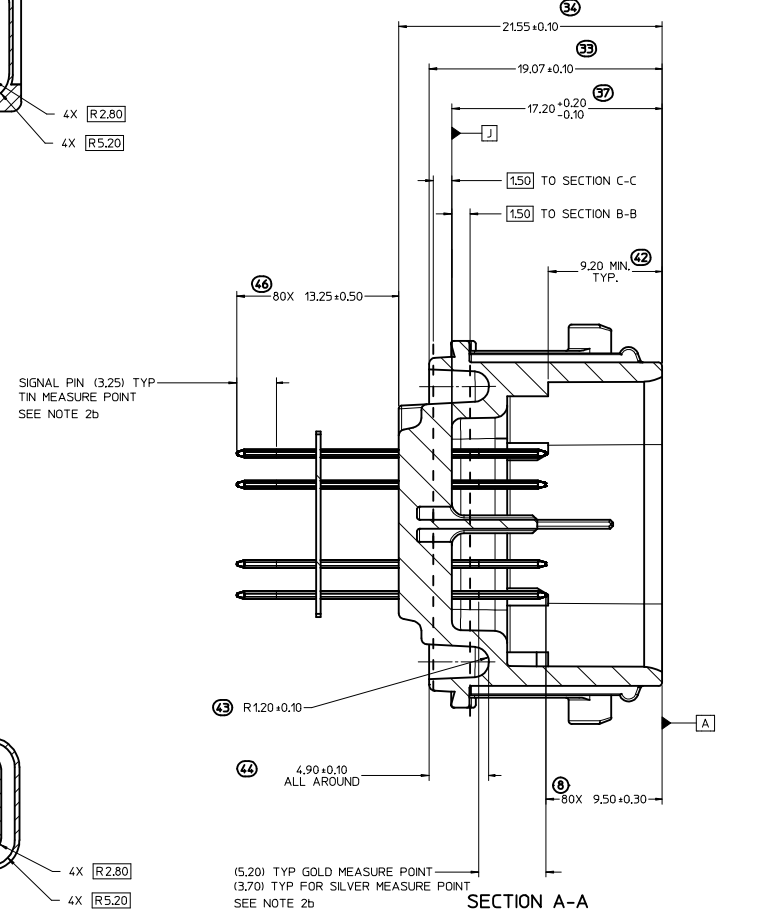
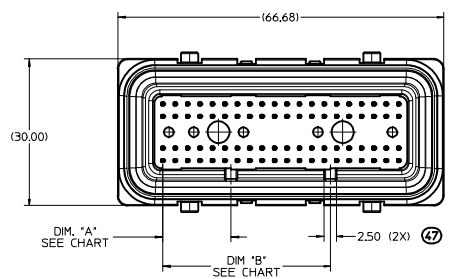
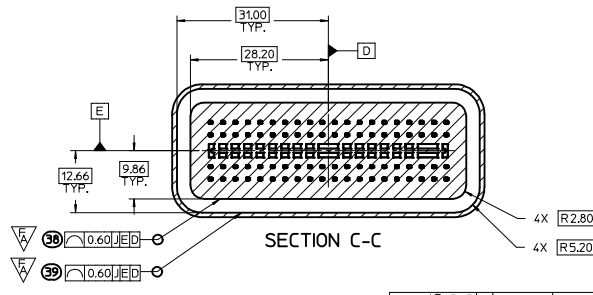
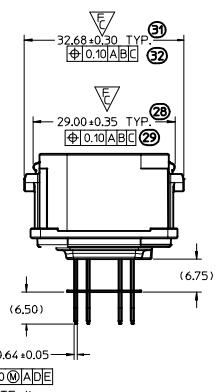
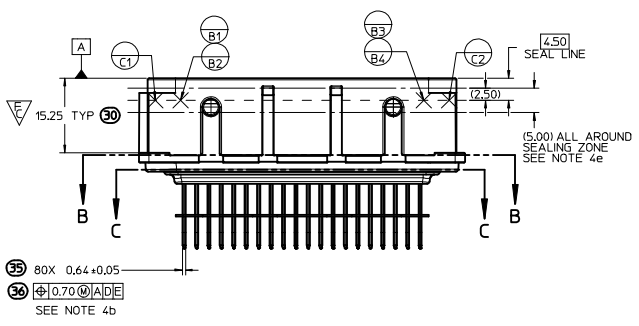
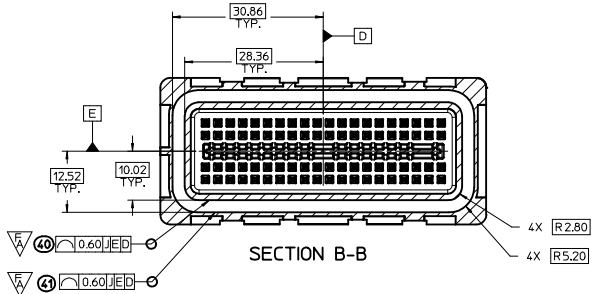
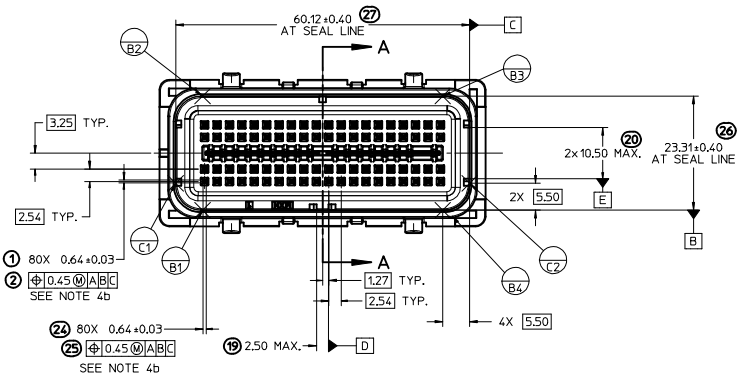
B9	CORRECTED KEY H 'DIM B' VALUE
B8	CORRECTED KEY H 'DIM A' VALUE; CHANGE STATUS TO SALEABLE
B7	UPDATED NOTE 1c SAP# 10595870
B6	ADDED NOTE 4d, e & SEALING ZONE ON PG 2 SAP# 10586362
B5	ADDED BALLOON NUMBERS 1.2,10,11,19,20, 24-44,46,47, DELETED BALLOON NUMBERS 3-7,9,12-15,17, 18, 21-23, 45 EDITED ALL NOTES, STATUS & MATING HARNESS PART NUMBER SAP# 10580347

INSPECTION BALLOON NUMBER LOG	
PER DRAWING REVISION:	B6
LAST BALLOON NUMBER:	47
ADDED BALLOON NUMBER:	1 2 8 10 11 19 20 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 46 47
DELETED INSPECTION BALLOON NUMBER:	3 4 5 6 7 9 12 13 14 15 16 17 18 21 22 23 45

REV	DESCRIPTION
B9	SEE REV COLUMN

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
▽=0	mm INCH	MM ONLY	2:1	METRIC	
▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			
▽=0	3 PLACES ± --- ± ---	FJAKLIC 04/30/08			
	2 PLACES ± 0.13 ± ---	CHECKED BY DATE			
	1 PLACE ± 0.25 ± ---	FJAKLIC 04/30/08			
	0 PLACE ± --- ± ---	APPROVED BY DATE			
		GPRATT 05/05/08			
	ANGULAR ± 3 °	MATERIAL NO.			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART			
		SIZE D			

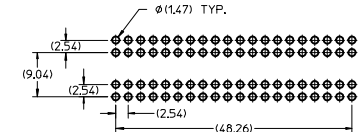
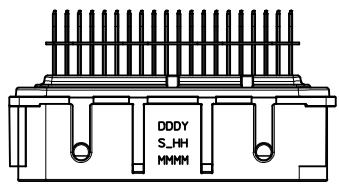
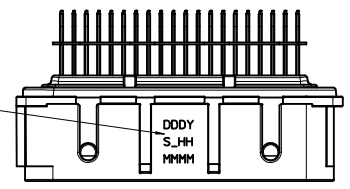
TITLE	80 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123
DOCUMENT NO.	SD-31387-080
SHEET NO.	1 OF 3



SEE SHEET 1 EC NO: UAU2014-0977 DRAWING: 2014/01/15 CHK: OKRAMZYK 2014/01/15 APPR: OKRAMZYK 2014/01/15 REV: B9	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	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 80 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123 <b>molex</b> MATERIAL NO. SD-31387-080 DOCUMENT NO.	SHEET NO. 2 OF 3
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

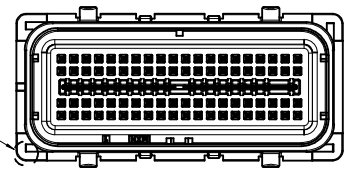
SHROUD ASSEMBLY NUMBER	MATE SIDE PIN FINISH	COLOR	HARNESS SIDE KEY CODE	PCB SIDE KEY LOCATION		MATING HARNESS PART NUMBER	STATUS
				DIM. "A" +0.30	DIM. "B" +0.30		
31387-4001	GOLD	BLUE	G	13.97	34.29	345660703 345661903	SALEABLE
31387-4009	GOLD	GRAY	H	19.05	34.29	345660803 345662003	SALEABLE
31387-4017	SILVER	BLUE	G	13.97	34.29	345660703 345661903	SALEABLE
31387-4018	SILVER	GRAY	H	19.05	34.29	345660803 345662003	SALEABLE

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

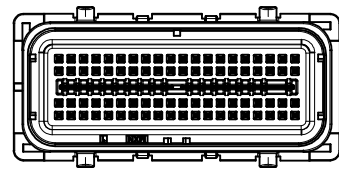


PCB LAYOUT FOR REFERENCE ONLY

MATE SIDE POLARIZATION KEY AT CORNERS

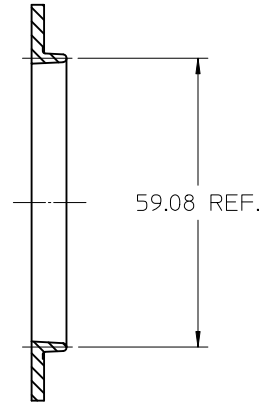
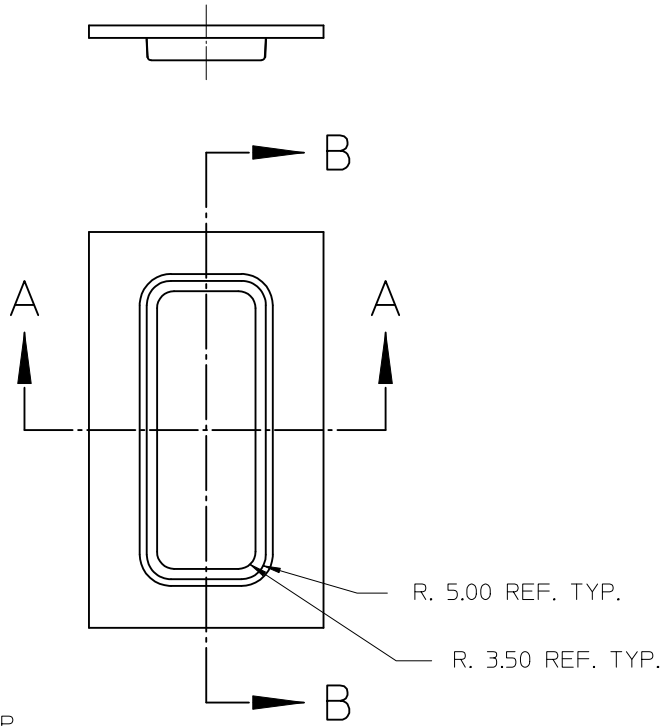
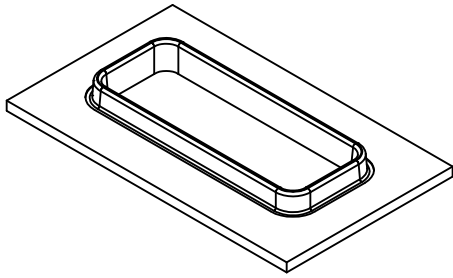


KEY OPTION "G"

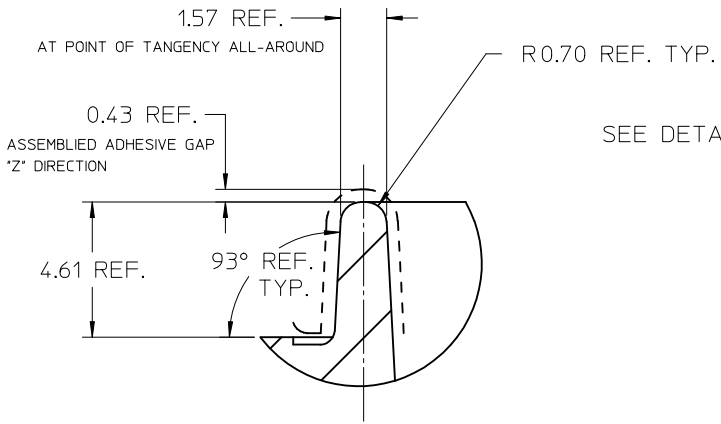


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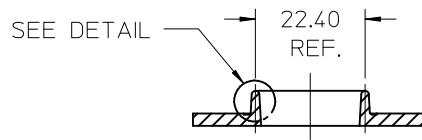
<b>SEE SHEET 1</b> ELEC NO: UAU2014-0977 DRAWN BY: DRYNADUNN 2014/01/15 CHECKED BY: CHYKORAKWICZYK 2014/01/15 APPR: DORAKWICZYK 2014/01/15 REV: B9	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$ $\nabla=0$	4 PLACES ± mm ± INCH 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	MM ONLY	2:1	METRIC	
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: FJAKLIC DATE: 04/30/08 CHECKED BY: FJAKLIC DATE: 04/30/08 APPROVED BY: GPRATT DATE: 05/05/08	MATERIAL NO: SEE CHART DOCUMENT NO: SD-31387-080	TITLE: 80 CKT SHROUD ASSEMBLY 0.64 SQ. PINS MX123	SHEET NO: 3 OF 3	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SECTION B-B



DETAIL 6:1



SECTION A-A

ENTER DESCRIPTION EC NO: UAU2012-1624 DRAWN BY: DRW:DDUNN 2013/01/30 CHKD: JOUNAJ 2013/02/07 APPR: DKRAWCZYK 2013/02/19 REV B	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	mm INCH	DRAWN BY: F JAKLIC CHECKED BY: G PRATT APPROVED BY: DKRAWCZYK MATERIAL NO.	DATE: 11/21/2008 DATE: 11/21/2008 DATE: 2013/02/19	TITLE LARGE FOOTPRINT ADHESIVE TONGUE GEOMETRY			
		ANGULAR ±---°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED		DOCUMENT NO. SD-31387-173		SHEET NO. 1 OF 1
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

## Данный компонент на территории Российской Федерации

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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