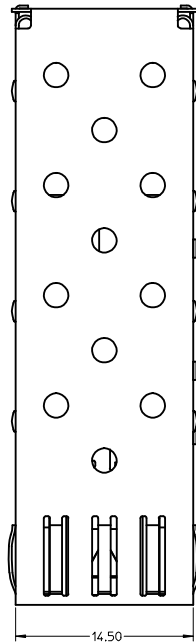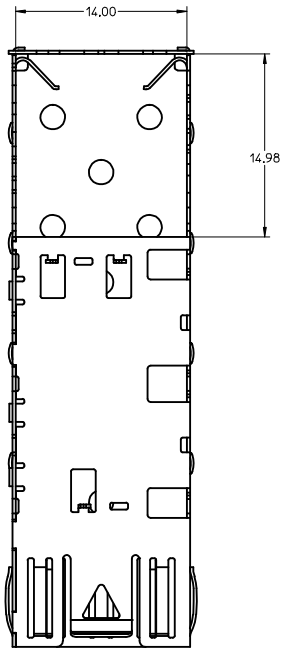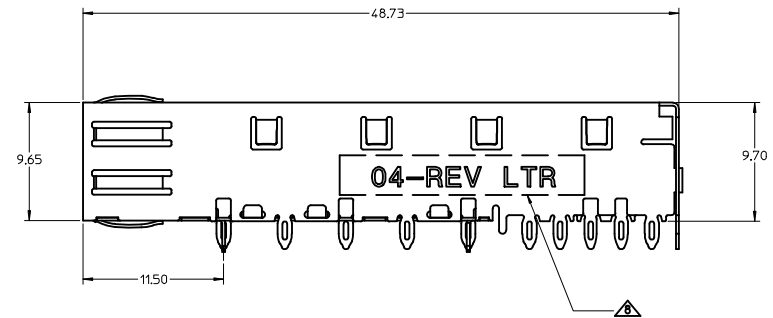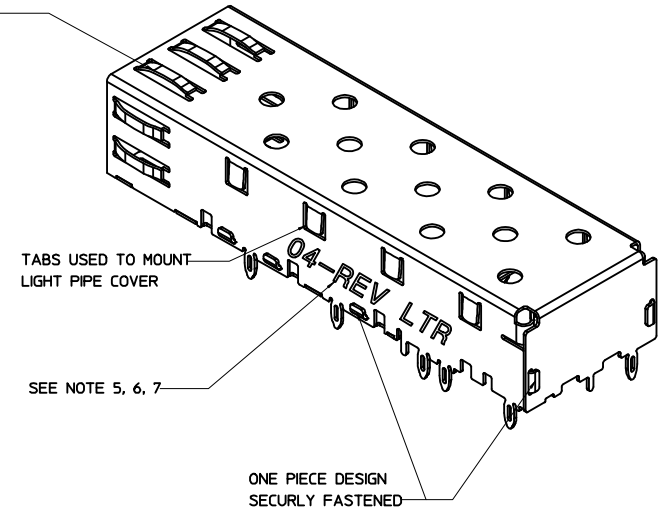3D MODEL: EM-74737-004-ASSY

SPRING FINGER GASKET WITH
TWO POINTS OF CONTACT.
COMPLIES WITH (SFP) MSA
BOARD AND BEZEL LOCATIONS.

TABS USED TO MOUNT
LIGHT PIPE COVER

SEE NOTE 5, 6, 7

ONE PIECE DESIGN
SECURLY FASTENED

04-REV LTR

14.00

14.98

14.50

14.00

8.58   9.15
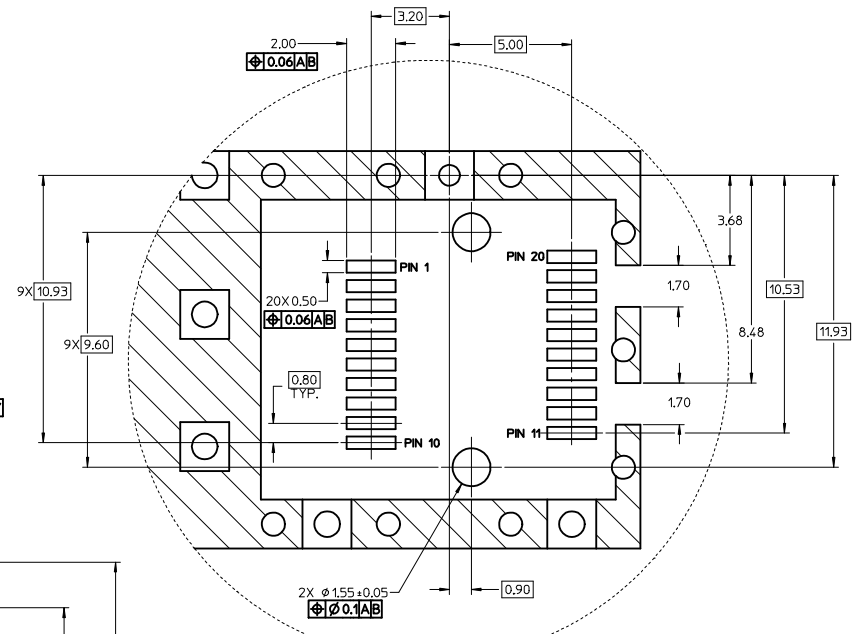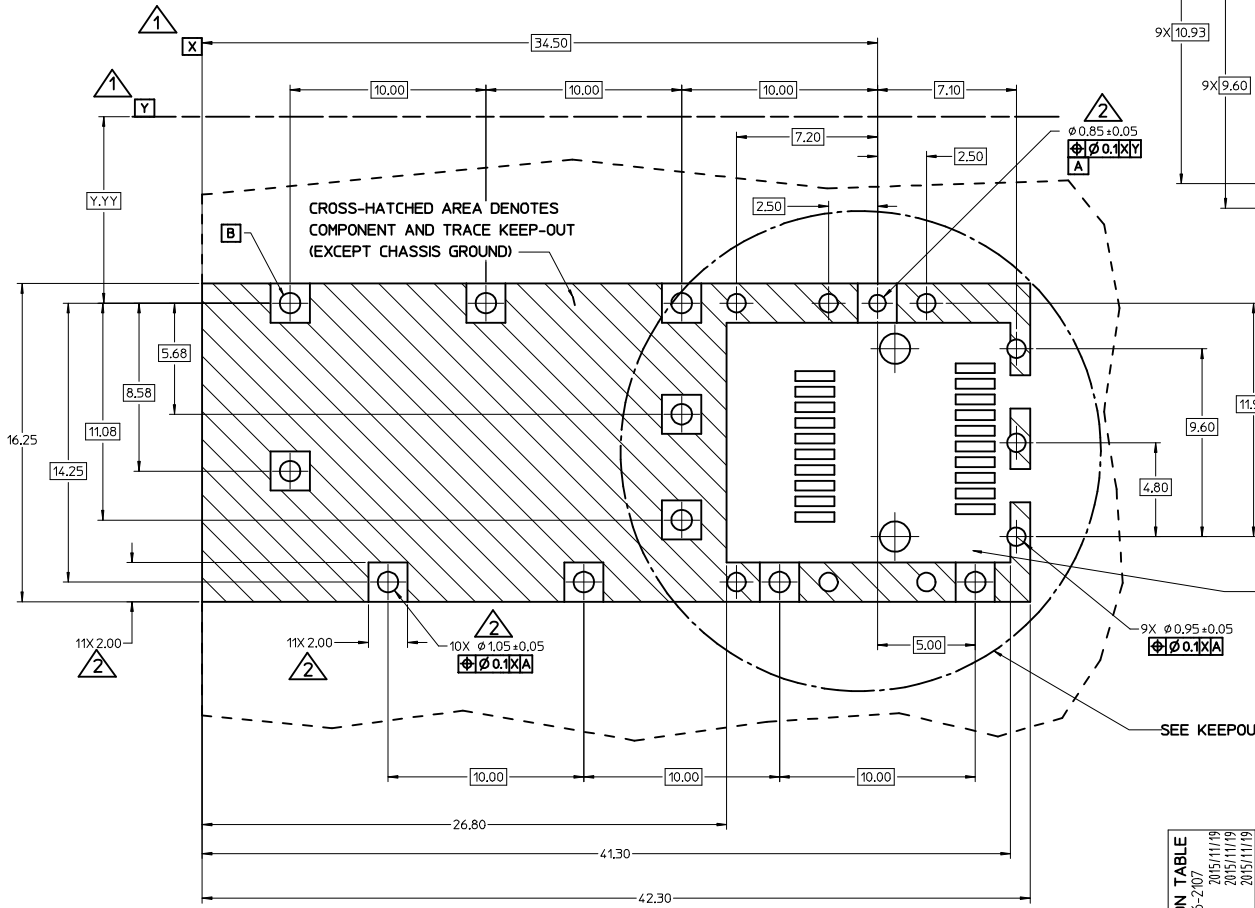
9.65

48.73

9.70

04-REV LTR

11.50

NOTES:
1. PRESS FIT LEGS, 2.28mm LONG.
   1.57mm MINIMUM PCB THICKNESS.
2. CAN BE USED WITH THE FOLLOWING LIGHT PIPE PART NUMBERS:
   747260001 - LIGHT PIPE FROM BACK TO TOP
   (REFER TO DOCUMENT SD-74726-001)
   747260002 - LIGHT PIPE FROM SIDE TO TOP
   (REFER TO DOCUMENT SD-74726-002)
3. MATERIAL: COPPER ALLOY
   PLATING: PRE-PLATED WITH NICKEL
4. NO RoHS EXEMPTIONS.
5. REVISION LETTER IS FOLLOWING MOLEX 3D MODEL.
6. INSERT TO CAHANGE ENGRAVING FOR LAST TWO DIGITS OF PART NUMBER OR 3D REVISION.
7. INSERT TO IDENTIFY ADDITIONAL TOOLING STARTING WITH TOOL #2 AS FOLLOWS:
   LAST TWO DIGITS OF PART NUMBER, TOOL NUMBER AND REVISION LETTER.
   (E.G., 02-3J)
8. DATE CODE STAMPED AREA FLATNESS 0.05mm MAX.

SEE REVISION TABLE
EC NO: CPG2016-2107
DRWN:EWANG07   2015/11/19
CHKD:RCHEN08   2015/11/19
APPR:RCHEN08   2015/11/19
REV: J
DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ± 1°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY   DATE
CCOX   2006/11/30
CHECKED BY DATE
RMAHMOOD   2006/11/30
APPROVED BY DATE
RMAHMOOD

MATERIAL NO.
747370004

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
SFP ONE PIECE CAGE
0.090" PRESS FIT LEGS
BLY-BLY ASSEMBLY

molex

DOCUMENT NO.
SD-74737-004

SHEET NO.
1 OF 4

SIZE
D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

fb_frame_D_P_AM_T
Rev. G 2012/01/11

⚠1 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
⚠2 PADS AND VIAS ARE CHASSIS GROUND.
3 HOLE LAYOUT SHOWN IS FOR SINGLE SIDED MOUNTING ONLY.
4. CONNECTOR PAD LAYOUT PER SFP MSA, WILL ACCOMODATE MOLEX
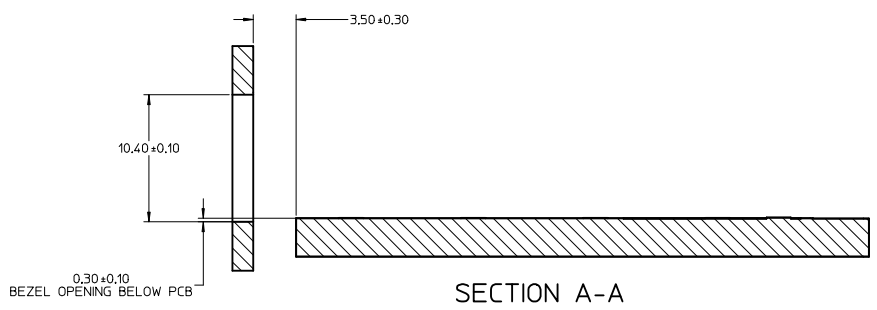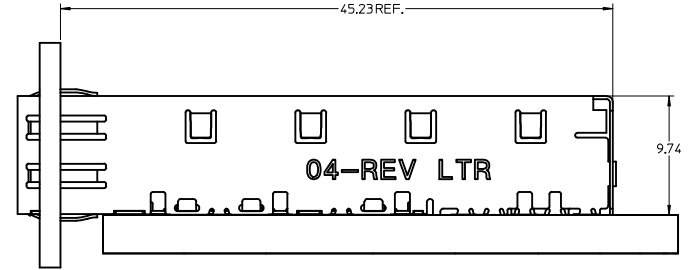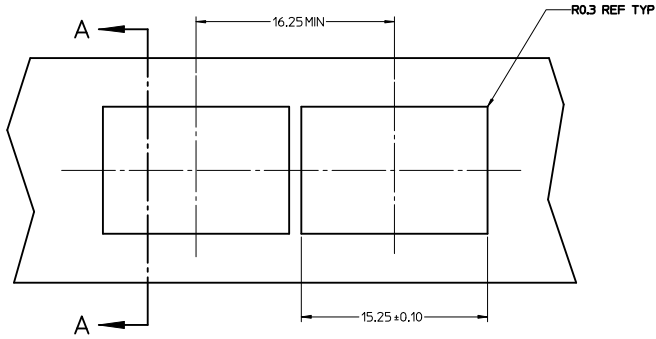   CONNECTOR SERIES 74441 OR EQUIVALENT.

CROSS-HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

SEE KEEPOUT Detail

KEEPOUT Detail
SCALE 10:1

PIN 1   PIN 20
PIN 10   PIN 11

20X 0.50
⊕ 0.06 A B

0.80 TYP.

9X 10.93
9X 9.60

2X ⌀1.55 ±0.05
⊕ ⌀0.1 A B

34.50
10.00   10.00   10.00   7.10
7.20
2.50
2.50

⌀0.85±0.05
⊕ ⌀0.1 X Y
A

11.93
9.60
4.80

5.00

16.25
14.25
11.08
8.58
5.68

11X 2.00
11X 2.00
10X ⌀1.05±0.05
⊕ ⌀0.1 X A

9X ⌀0.95±0.05
⊕ ⌀0.1 A

10.00   10.00   10.00
26.80
41.30
42.30

3.20
2.00
⊕ 0.06 A B
5.00
3.68
1.70
8.48
1.70
10.53
11.93

fb_frame_D_P_AM_T
Rev. G 2012/01/11

45.23REF.

9.74

04-REV LTR

A

16.25MIN

R0.3 REF TYP

A

15.25±0.10

10.40±0.10

3.50±0.30

0.30±0.10
BEZEL OPENING BELOW PCB

SECTION A-A

REVISION TABLE

DATE	REV	REVISION TABLE
2007/01/17	A	INITIAL RELEASE
2007/01/24	B	UPDATED VIEWS
2007/02/08	C	ADDED NOTE 5
2007/03/06	D	ADDED SHEETS 2 AND 3
2007/01/23	E	UPDATED 2D VIEWS TO REFLECT CHG'S MADE TO EM-74737-004 REV E.
2007/04/25	F	[1] ADDED REV SHEET; [2] UPDATED REV SHEET NOTES A-E; [3] UPDATED DRAWING TO REFLECT CHG'S MADE TO EM-74737-004-ASSY REV D; [4] DELETED NOTE 2 ON SHT1 AND SHIFTED NUMBERS; [5] ON SHT1 ROTATED BTM_VIEW 180 DEGREES.
2007/11/27	G	[1] UPDATED VIEWS TO MATCH EM-74737-004-ASSY REV E.
2014/12/02	H	1. ADDED "MM 3D MODEL: EM-74737-004-ASSY" ON LEFT TOP CORNER. [SHEET 1] 2. ADDED NOTE 5, 6, 7. [SHEET 1] 3. CHANGED NOTE4 TO "NO RoHS EXEMPTIONS". [SHEET 1] 4. REMOVED ALL INCH UNIT. [SHEET 1~3]
2015/11/19	J	SHEET 1: A19 & E5: ADDED NOTE 8. "DATE CODE STAMPED AREA FLATNESS 0.05mm MAX." SHEET 3: G16: ADDED DIM R0.3 REF TYP.

SEE REVISION TABLE
EC NO: CPG2016-2107
DRWN:NEWANG07 2015/11/19
CHKD:RCHEN08 2015/11/19
APPR:RCHEN08 2015/11/19
REV DESCRIPTION
J

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 ± 1°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: **MM ONLY**

DRAWN BY	CCOX	DATE 2006/11/30
CHECKED BY	RMAHMOOD	DATE 2006/11/30
APPROVED BY	RMAHMOOD	DATE
MATERIAL NO.	747370004	

SCALE 1:1

DESIGN UNITS: METRIC

THIRD ANGLE PROJECTION

TITLE:
SFP ONE PIECE CAGE
0.090" PRESS FIT LEGS
BLY-BLY ASSEMBLY

molex

DOCUMENT NO. SD-74737-004

SHEET NO. 4 OF 4

SIZE D

tb_frame_D_P_AM_T
Rev. G 2012/01/11