CAGE ASSEMBLY OPTIONS

HEATSINK HEIGHT OPTIONS

OVERALL HEATSINK HEIGHT | DIM 'A' | TOL
---|---|---
PCI | 13.7 | +0.25
SAN | 16.0 | -0.73
NET | 23.0 | CUSTOM

LIGHT PIPE LENGTH

SEE SHEET 4

ELASTOMERIC GASKET OPTIONS

2.62 ROUND
2.49 SQUARE

LEG OPTIONS

EYE OF THE NEEDLE (EN)
TEAR DROP (TD)

REAR LEG OPTIONS

2 REAR LEGS PER PORT
0 REAR LEGS

ELASTOMERIC GASKET OPTIONS

2.49 ROUND REF.
24.23 SQUARE REF.
14.44 SQUARE REF.
14.71 ROUND REF.
24.49 ROUND REF.

DIMENSION UNITS
SCALE
mm
3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

±0.13
±0.25
±0.25
±0.35
4 PLACES
±2 PLACES
±3 PLACES
±4 PLACES

DRAFT DRIES APPLIED WITH DIMENSIONS

QCFP+ CAGE ASSEMBLIES
W/ ELASTOMERIC GASKET (ROUND & SQUARE)

THE DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
HEATSINK AND LIGHT PIPE OPTIONS

HEATSINK ONLY

SINGLE LIGHT PIPE

DUAL LIGHT PIPE

QUAD LIGHT PIPE

PIN FIELD HEATSINK FOR NO LIGHT PIPE

PIN FIELD HEATSINK FOR SINGLE LIGHT PIPE

PIN FIELD HEATSINK FOR DUAL LIGHT PIPE

PIN FIELD HEATSINK FOR QUAD LIGHT PIPE

NOTES:
1. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

2. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

3. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

4. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

5. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

6. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

7. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

8. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

9. MATERIALS:
   LIGHT PIPE: LEXAN 940A
   HEATSINK: ALUMINUM (BLACK ANODIZED)

10. MATERIALS:
    LIGHT PIPE: LEXAN 940A
     HEATSINK: ALUMINUM (BLACK ANODIZED)
CROSS HATCHED AREA DENOTES COMPONENT & TRACE KEEP-OUT (EXCEPT CHASIS GROUND)

AREA DENOTES OPTIONAL EMI GROUNDING PAD (MUST BE CONNECTED TO CHASIS GROUND)

NOTE: FOR RECOMMENDED CENTER OF LIGHT PIPES, SEE SHEET 5

NOTES:
1. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
2. FINISHED HOLE SIZE (AFTER PLATING)
3. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
4. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
5. BELLY TO BELLY BOARD THICKNESS:
   NOMINAL: 2.90 mm
   MINIMUM: 2.48 mm

SEE QSFP MSA FOR CONNECTOR LAYOUT

H O L E S  O P T I O N A L  (U S E D  W / C A G E S  W / R E A R  L E G S)

2X Ø . 1 5 5  R E F  (S E E  Q S F P  M S A)


THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)
NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.
1. ADDED LEG OPTIONS (SHEET 2 @ B19).
2. ADDED NEW SHEET AND MOVED HEATSINK & LIGHT PIPE OPTIONS TO SHEET 3.
3. MOVED PIN TABLES TO SHEET 4.
4. ADDED PIN'S 74750-0048, -0079, -1200, -1201, -1202, -1203, -1240, -1241, -1242, -1243 TO TABLES (SHEET 4) AND REFRESHED ISO VIEW OF 747500072 (SHEET 4 @ E6).
5. ADDED "LIGHT PIPE LENGTH" TO PART NUMBER SELECTION TABLE "WITH HEATSINKS AND LIGHT PIPES" (SHEET 4).
6. ADDED OPTIONAL HOLE NOTE TO SINGLE SIDED PCB LAYOUT (SHEET 5 @ J10) & UPDATED BELLY TO BELLY (SHEET 6 @ J8) ALSO UPDATED NOTES ON SHEET 5 & 6 ADDING MINIMUM PCB THICKNESS.
7. CHANGED DIMENSION 43.4-0.3 (BACK TO BEZEL) TO 43.0-0.3 (BACK TO BEZEL) (SHEET 7 @ F8 & L8) AND REMOVED BEZEL CENTER DIMENSION.

1. ADDED PIN 74750-1576 TO SHEET 4.
2. REVISED DIM FROM 10.15+/-0.10 TO (SEE NOTE 1) ON BELLY TO BELLY BEZEL VIEW SHEET 7.
3. ADDED P/N 74750-1576 TO SHEET 4.
4. REVISED DIM FROM 10.15+/-0.10 TO (SEE NOTE 1) ON BELLY TO BELLY BEZEL VIEW SHEET 7.
5. ADDED "MM 3D MODEL: TM-74750-0002".
6. ADDED CUSTOM HEATSINK OVERALL HEIGHT 21.0 INTO TABLE.
7. ADDED P/N 74750-1576 AND 747501578.
8. REMASTERED FROM SD-74750-0002 TO 747500002 PSD ASY REV-F IN NX / ECTR. REMASTERED FROM SD-74750-0002  REV-E TO 747500002 PSD ASY REV-F IN NX / ECTR.
9. REMASTERED FROM SD-74750-0002  REV-E TO 747500002 PSD ASY REV-F IN NX / ECTR.

10. OBSOLETE PART NO 747500076
11. SHEET 1: B18 - NOTE ADDED "ELASTOMERIC GASKET: SILICON, COLOR BLACK"
12. SHEET 4: D18: REMOVED PART NUMBER 747500076 FROM THE TABLE.

NOTE ADDED "ELASTOMERIC GASKET: SILICON, COLOR BLACK"
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