

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0757300117](#)
Status: **Active**
Overview: [extreme micropower](#)
Description: 4.00mm (.157") EXTreme MicroPower™ Header, 17 Circuits, 3.06mm (.120") Tail Length

Documents:

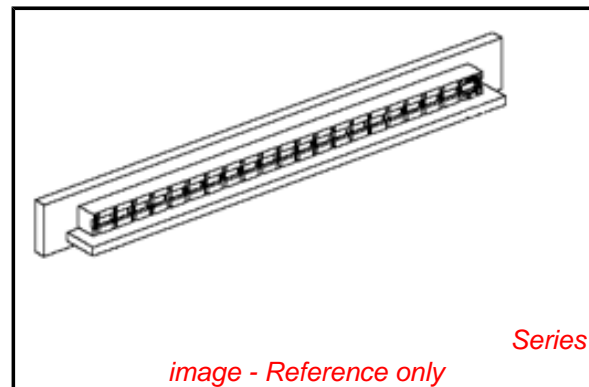
[3D Model](#) [Product Specification PS-75730-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|------------------------------------|
| Product Family | PCB Headers |
| Series | 75730 |
| Application | Board-to-Board |
| Overview | extreme micropower |
| Product Name | EXTreme MicroPower™ |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 17 |
| Circuits (maximum) | 17 |
| Color - Resin | Black |
| First Mate / Last Break | No |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Material - Metal | Copper |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.120 In |
| PC Tail Length (mm) | 3.06 mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.066 In, 0.096 In |
| PCB Thickness Recommended (mm) | 1.67 mm, 2.44 mm |
| Packaging Type | Tray |
| Pitch - Mating Interface (in) | 0.157 In |
| Pitch - Mating Interface (mm) | 4.00 mm |
| Pitch - Term. Interface (in) | 0.157 In |
| Pitch - Term. Interface (mm) | 4.00 mm |
| Plating min: Mating (µin) | 100 |
| Plating min: Mating (µm) | 2.5 |
| Plating min: Termination (µin) | 100 |
| Plating min: Termination (µm) | 2.5 |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status
Not Reviewed**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[75730Series](#)

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 16A |
| Voltage - Maximum | 250V |

Material Info**Reference - Drawing Numbers**

| | |
|-------------------------|--------------|
| Packaging Specification | PK-75730-118 |
| Product Specification | PS-75730-999 |
| Sales Drawing | SD-75730-118 |

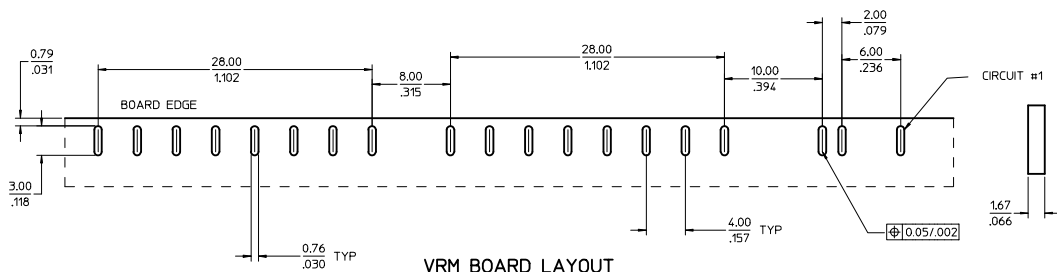
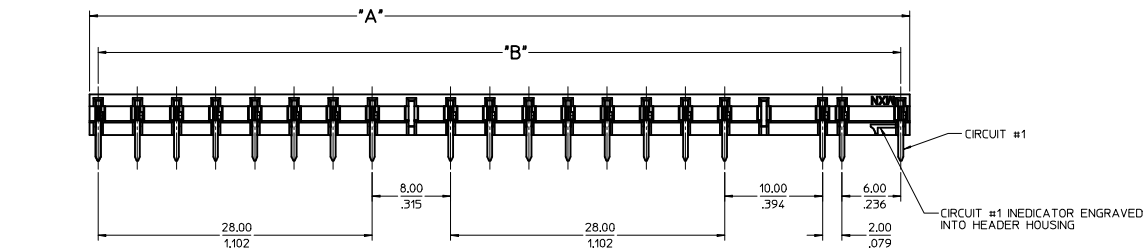
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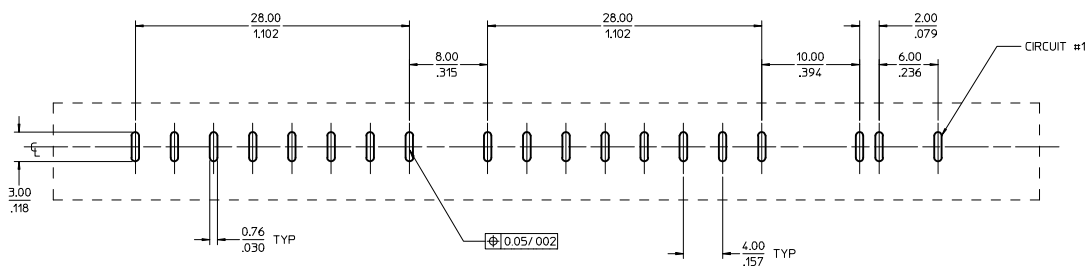
| | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | |
|---|------------|----------|-------------|-------------|------------|-------------|------------------------------|----|----|----|----|---|---|---|---|---|---|---|---|---|--|--|--|
| | PART NO. | CKT SIZE | DIM 'A' | DIM 'B' | DIM 'C' | DIM 'D' REF | DIM 'E' | | | | | | | | | | | | | | | | |
| M | 75730-0104 | 4 | 13.78/1.543 | 12.00/1.472 | 3.06/1.120 | 7.06/2.278 | 1.60/0.62 TO 2.44/0.96 | | | | | | | | | | | | | | | | |
| | 75730-0105 | 5 | 17.78/1.700 | 16.00/1.630 | | | | | | | | | | | | | | | | | | | |
| | 75730-0106 | 6 | 21.78/1.857 | 20.00/1.787 | | | | | | | | | | | | | | | | | | | |
| | 75730-0107 | 7 | 25.78/1.015 | 24.00/1.945 | | | | | | | | | | | | | | | | | | | |
| | 75730-0108 | 8 | 29.78/1.172 | 28.00/1.102 | | | | | | | | | | | | | | | | | | | |
| L | 75730-0109 | 9 | 33.78/1.330 | 32.00/1.260 | | | | | | | | | | | | | | | | | | | |
| | 75730-0110 | 10 | 37.78/1.487 | 36.00/1.417 | | | | | | | | | | | | | | | | | | | |
| | 75730-0111 | 11 | 41.78/1.645 | 40.00/1.575 | | | | | | | | | | | | | | | | | | | |
| | 75730-0112 | 12 | 45.78/1.802 | 44.00/1.732 | | | | | | | | | | | | | | | | | | | |
| | 75730-0113 | 13 | 49.78/1.960 | 48.00/1.890 | | | | | | | | | | | | | | | | | | | |
| K | 75730-0114 | 14 | 53.78/2.117 | 52.00/2.047 | | | | | | | | | | | | | | | | | | | |
| | 75730-0115 | 15 | 57.78/2.275 | 56.00/2.205 | | | | | | | | | | | | | | | | | | | |
| | 75730-0116 | 16 | 61.78/2.433 | 60.00/2.362 | | | | | | | | | | | | | | | | | | | |
| | 75730-0117 | 17 | 65.78/2.590 | 64.00/2.520 | | | | | | | | | | | | | | | | | | | |
| J | 75730-0118 | 18 | 69.78/2.747 | 68.00/2.677 | | | | | | | | | | | | | | | | | | | |
| | 75730-0119 | 19 | 73.78/2.905 | 72.00/2.835 | | | | | | | | | | | | | | | | | | | |
| | 75730-0120 | 20 | 77.78/3.062 | 76.00/2.992 | | | | | | | | | | | | | | | | | | | |
| | 75730-0121 | 21 | 81.78/3.220 | 80.00/3.150 | | | | | | | | | | | | | | | | | | | |
| | 75730-0122 | 22 | 85.78/3.377 | 84.00/3.307 | | | | | | | | | | | | | | | | | | | |
| I | 75730-0123 | 23 | 89.78/3.535 | 88.00/3.465 | | | | | | | | | | | | | | | | | | | |
| | 75730-0124 | 24 | 93.78/3.692 | 92.00/3.622 | | | | | | | | | | | | | | | | | | | |
| | 75730-0147 | 47 | 93.78/3.692 | 92.00/3.622 | | | | | | | | | | | | | | | | | | | |
| | 75730-0150 | MIXED CL | 83.78/3.298 | 82.00/3.228 | | | | | | | | | | | | | | | | | | | |
| H | 75730-0204 | 4 | 13.78/1.543 | 12.00/1.472 | 3.81/1.150 | 7.82/3.308 | 3.18/1.125 | | | | | | | | | | | | | | | | |
| | 75730-0205 | 5 | 17.78/1.700 | 16.00/1.630 | | | | | | | | | | | | | | | | | | | |
| | 75730-0206 | 6 | 21.78/1.857 | 20.00/1.787 | | | | | | | | | | | | | | | | | | | |
| | 75730-0207 | 7 | 25.78/1.015 | 24.00/1.945 | | | | | | | | | | | | | | | | | | | |
| | 75730-0208 | 8 | 29.78/1.172 | 28.00/1.102 | | | | | | | | | | | | | | | | | | | |
| G | 75730-0209 | 9 | 33.78/1.330 | 32.00/1.260 | | | | | | | | | | | | | | | | | | | |
| | 75730-0210 | 10 | 37.78/1.487 | 36.00/1.417 | | | | | | | | | | | | | | | | | | | |
| | 75730-0211 | 11 | 41.78/1.645 | 40.00/1.575 | | | | | | | | | | | | | | | | | | | |
| | 75730-0212 | 12 | 45.78/1.802 | 44.00/1.732 | | | | | | | | | | | | | | | | | | | |
| | 75730-0213 | 13 | 49.78/1.960 | 48.00/1.890 | | | | | | | | | | | | | | | | | | | |
| F | 75730-0214 | 14 | 53.78/2.117 | 52.00/2.047 | | | | | | | | | | | | | | | | | | | |
| | 75730-0215 | 15 | 57.78/2.275 | 56.00/2.205 | | | | | | | | | | | | | | | | | | | |
| | 75730-0216 | 16 | 61.78/2.433 | 60.00/2.362 | | | | | | | | | | | | | | | | | | | |
| | 75730-0217 | 17 | 65.78/2.590 | 64.00/2.520 | | | | | | | | | | | | | | | | | | | |
| E | 75730-0218 | 18 | 69.78/2.747 | 68.00/2.677 | | | | | | | | | | | | | | | | | | | |
| | 75730-0219 | 19 | 73.78/2.905 | 72.00/2.835 | | | | | | | | | | | | | | | | | | | |
| | 75730-0220 | 20 | 77.78/3.062 | 76.00/2.992 | | | | | | | | | | | | | | | | | | | |
| | 75730-0221 | 21 | 81.78/3.220 | 80.00/3.150 | | | | | | | | | | | | | | | | | | | |
| | 75730-0222 | 22 | 85.78/3.377 | 84.00/3.307 | | | | | | | | | | | | | | | | | | | |
| D | 75730-0223 | 23 | 89.78/3.535 | 88.00/3.465 | | | | | | | | | | | | | | | | | | | |
| | 75730-0224 | 24 | 93.78/3.692 | 92.00/3.622 | | | | | | | | | | | | | | | | | | | |
| | 75730-0247 | 47 | 93.78/3.692 | 92.00/3.622 | | | | | | | | | | | | | | | | | | | |
| | 75730-0250 | MIXED CL | 83.78/3.298 | 82.00/3.228 | | | | | | | | | | | | | | | | | | | |

NOTES:
1. MATERIALS:
- HOUSING: LCP, 30% GLASS FILLED, 94V-0, COLOR: BLACK
- TERMINAL: COPPER ALLOY
PLATING:
- 2.50 μ m/100 μ m MIN TIN OVER
- 1.25 μ m/50 μ m MIN NICKEL OVERALL
2. PRODUCT SPEC: PS-75730
3. MODULE IS DESIGNED FOR SOLDERING TO THE PCB
4. MODULE IS RoHS COMPLIANT
5. BOW, FLATNESS AND CAMBER SPECIFICATIONS ARE 0.25/010 PER INCH
6. PARTS TO BE PACKAGED PER MOLEX PACKAGING SPEC PK-75730-118
7. VIAS/PTH'S FOR P/N'S 75730-0147 & 75730-0247 ARE ON 2MM PITCH
8. P/N'S 75730-0147 & 75730-0247 ARE NOT TOOLED

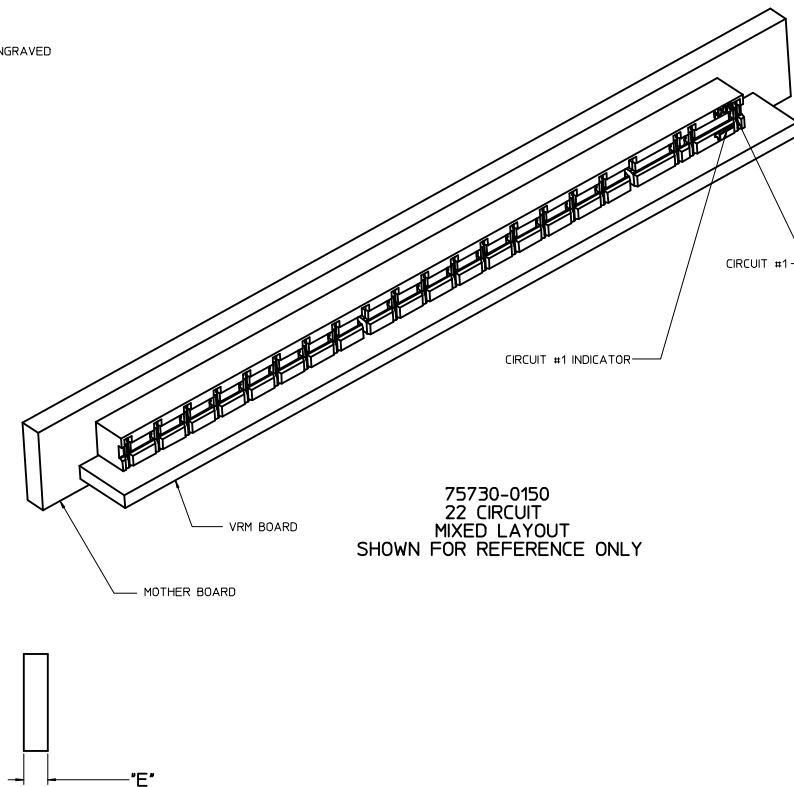
| | | | | | | |
|--|--|---|---|--|--------------|------------------------|
| ADD DIM TO SHT 2 IEC NO: UCP2009-3083 DRAWN BY: DRW:RABANDURA 2009/06/22 CHKD BY: CHKD:RABANDURA 2009/06/22 APPR: APATEL 2009/06/23 REV: | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | mm INCH | MM/IN | 1:1 | METRIC | ☉ |
| | ▽=0 | 4 PLACES ±.005 3 PLACES ±.010 2 PLACES ±0.13 1 PLACE ±0.25 | DATE | TITLE | | |
| | ▽=0 | ANGULAR ±1/2° | DATE | ASSEMBLY VRM HEADER FOR BOARD TO BOARD | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DATE | MOLEX INCORPORATED | | | |
| | | DATE | SD-75730-118 | | | SHEET NO. 1 OF 3 |
| | | DATE | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |



VRM BOARD LAYOUT



MOTHER BOARD LAYOUT



75730-0150
22 CIRCUIT
MIXED LAYOUT
SHOWN FOR REFERENCE ONLY

| | | | | | | | |
|--|-----------------|---|---|---------------------------|--|------------------------|--|
| SEE SHEET 1 IEC NO. UCP2009-3083 DRAWN BY: DRW/BANDURA 2009/06/22 CHKD/BANDURA 2009/06/22 APPR: APATEL 2009/06/23 REV: A8 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | $\nabla=0$ | mm INCH | MM/IN | 4:1 | METRIC | | |
| | $\nabla=0$ | 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± --- | DRAWN BY: ADRTNOL 2005/05/03 CHECKED BY: DATE APATEL 2005/05/03 APPROVED BY: DATE APATEL 2005/05/03 | TITLE | ASSEMBLY VRM HEADER FOR BOARD TO BOARD | | |
| | $\nabla=0$ | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-75730-118 | MOLEX INCORPORATED | | |
| SHEET NO. 3 OF 3 | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |