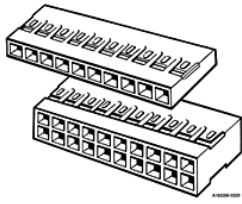


65039-035LF

Assistant

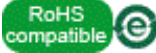


65039-035LF - Mini-PV™, Basics+

2.54 mm (0.1 in.) Centerline Crimp-to-Wire PV Receptacle Housing, Single Row

ACTIVE

[Customer Drawing](#)



Electronics division

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Mating Half



68000-102HLF Unshrouded header, Through Hole, Single row, 2 Positions, 2.54 mm Pitch, Vertical, 5.84 mm (0.23 in.) Mating, 2.41 mm (0.095 in.) Tail



68015-102HLF Unshrouded header, Through Hole, Single row, 2 Positions, 2.54 mm Pitch, Right Angle, 5.84 mm (0.23 in.) Mating, 2.29 mm (0.09 in.) Tail

Download document

Technical Resources

- [> 3D IGES](#)
- [> RoHS qualification documents](#)
- [> Application Specification](#)
- [> 3D STEP](#)
- [> Product Specification](#)
- [> 3D PROE](#)
- [> Application Specification](#)

Literature

- [> Basics+ Brochure](#)
- [> Connectors for Medical Devices Brochure](#)
- [> Connector Overview Brochure](#)
- [> Basics+ Product Focus](#)
- [> PV@ Connector system](#)
- [> Contacts & Latch Housings Product Focus](#)

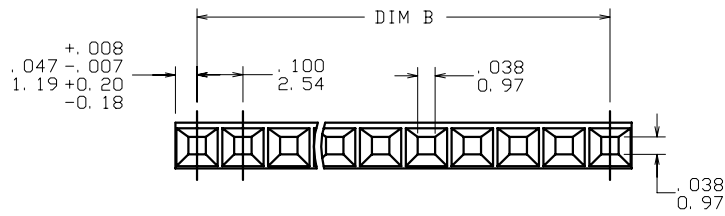
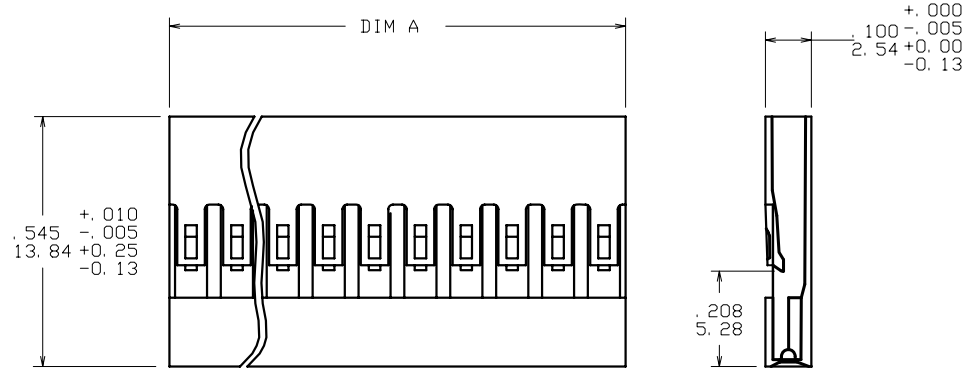
Application Tooling

- [> Asia Pacific Application Tooling](#)
- [> Americas Application Tooling](#)
- [> Europe Application Tooling](#)

Specifications

| General | Dimensional | Electrical | Physical | Approvals / Certifications | Other Features |
|-----------------------------------|-------------|------------|----------|--|-------------------|
| General | | | | | |
| Number of contacts | | | | 2 | |
| Number of rows | | | | 1 | |
| Orientation | | | | Vertical | |
| Product Type | | | | Crimp-to-Wire Housing | |
| Polarization (Key) | | | | No | |
| Mating half | | | | Mates with 0.64 mm (0.025 in.) Square Pin with Length of 5.33 mm (0.21 in.) min. to 6.1 mm (0.24 in.) max. | |
| Dimensional | | | | | |
| Length (Mating pin) | | | | 5.33 mm (0.21 in.) to 6.1 mm (0.24 in) | |
| Size (Wire) | | | | 22 to 36 AWG | |
| Electrical | | | | | |
| Resistance (Insulation) | | | | 100000 M ohms | |
| Voltage rating | | | | 1000V rms | |
| Physical | | | | | |
| Color (Housing) | | | | Black | |
| Material (Housing) | | | | PPE+PS | |
| Temperature (Range) | | | | -40°C to +105°C | |
| Approvals / Certifications | | | | | |
| Approvals / Certifications | | | | UL and CSA Approved | |
| Other Features | | | | | |
| Accessory | | | | Polarization Plug 65307-001LF | |
| Packaging (Type) | | | | Bag | |
| Comments | | | | PV™ Contact Removal Tool: Part Number HT-0080 | |

PRODUCT NUMBER
SEE TABLE



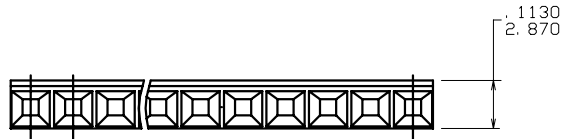
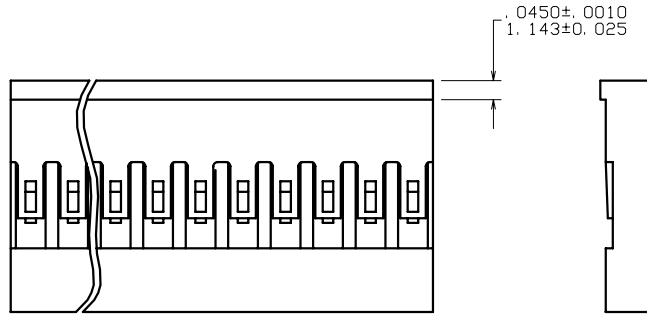
CONFIGURATION 1
(WITHOUT RIB)

NOTES:

- ①. MOLDING MATERIAL: MODIFIED POLYPHENYLENE ETHER, COLOR: BLACK, UL 94V-0.
2. PIN LENGTH TO BE .210/5.33 MIN RECOMMENDED PIN LENGTH IS .225/5.72 ± .015/0.38.
3. FOR TERMINAL APPLICATION SEE TA-531. PRODUCT SPECIFICATION: BUS-12-067.
4. TERMINALS MUST BE CRIMPED PROPERLY FOR SATISFACTORY LATCHING. SEE TA-75 FOR CRIMPING INSTRUCTIONS.
5. THIS HOUSING IS INTENDED FOR USE WITH MINI PV™ TERMINAL WITH 22-36 GAUGE WIRE.
- ⑥. ALL MARKING EXCEPT LOGO DONE IN "6 POINT TYPE SET" IF SPACE PERMITS APPROX AREA PER NUMBER/LETTER .056/1.42 WIDE X .06/1.5 HIGH USING WHITE PERMANENT INK.
- ⑦. ALL MARKINGS FOR MILITARY PART NUMBERS ARE TO BE PER MIL-STD-1285. SEE TABULATION.
- ⑧. PLACE DESC P/N AND CAGE NO. ON PACKAGING LABEL. PRODUCT LENGTH IS TOO SMALL TO MARK PART.
- ⑨. THESE PARTS ARE AS MOLDED WITH NO MARKINGS AND NO RESTRICTIONS, (BUT ARE MARKETABLE).
10. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDER PROCESS.
- ⑫. EUROPEAN CUSTOMERS SHOULD ORDER PART NUMBERS WITH AN 'E' SUFFIX AS SHOWN IN TABLE TO CONTINUE TO BE SUPPLIED BY THE EUROPEAN PLANT. SEE DRAWING 65039EUR.

| | | | | | | | | | | | | | | | |
|-------------|----------|------------|------------|---------------------------------------|-------------------|------------|---|---------------------------|---|----|---|------|----|--------------------------|----|
| mat'l. code | | surface | | tolerance | | projection | | product family | | | | | | | |
| SEE NOTE 1 | | ASME Y14.5 | | ASME Y14.5 | | INCH/MM | | PV HOUSINGS | | | | | | | |
| ltr | ec'n no | dr | date | tolerances unless otherwise specified | | INCH/MM | | title | | | | | | | |
| BE | V07-0483 | HTB | 2007-07-24 | angles | XX*01/X*3 | INCH/MM | | MINI LATCH HOUSING | | | | | | | |
| - | - | - | - | angles | XXX*005/XXX*13 | scale | | SINGLE ROW .100 [2.54] CC | | | | | | | |
| AY | V03-1356 | PJ | 2004-01-31 | 0°±2' | XXXX*0020/XXX*051 | 3:1 | | dwg no | | | | | | | |
| BA | V05-0712 | DAI | 2005-07-27 | dr | M. CORNMAN | 1990-01-31 | | sheet 1 of 12 | | | | | | | |
| BB | V06-0407 | HTB | 2006-04-26 | ENGR | H. SUNDY | 1990-01-31 | | size | | | | | | | |
| BC | V06-0549 | HTB | 2006-06-12 | chr | H. SUNDY | 1990-01-31 | | 65039 | | | | | | | |
| BD | V06-0886 | HTB | 2006-08-31 | appd | H. SUNDY | 1990-01-31 | | A4 | | | | | | | |
| sheet | | revision | | BE | | BE | | BE | | BE | | type | | Product Customer Drawing | |
| index | | sheet | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

PRODUCT NUMBER
SEE TABLE



CONFIGURATION 2
(WITH RIB)

| | | | | | | | | | |
|-------------|----------------|------------|------------|---------------------------------------|---|------------|--|---|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| SEE NOTE 1 | | ASME Y14.5 | | ASME Y14.5 | | | | PV HOUSINGS | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | title | |
| BE | | | | angles | $XX \pm 01 / X \pm 3$ $XXX \pm 005 / XXX \pm 13$ | | | MINI LATCH HOUSING SINGLE ROW .100 [2.54] CC | |
| | | | | 0' ± 2' | $XXXX \pm 0020 / XXX \pm 051$ | scale 3:1 | | dwg no | |
| | | dr | M. CORNMAN | | 1990-01-31 | | | sheet 2 of 12 | |
| | | engr | H. SUNDY | | 1990-01-31 | | | 65039 | |
| | | chr | H. SUNDY | | 1990-01-31 | | | A4 | |
| | | appd | H. SUNDY | | 1990-01-31 | | | type Product Customer Drawing | |
| sheet index | revision sheet | | | | | | | | |

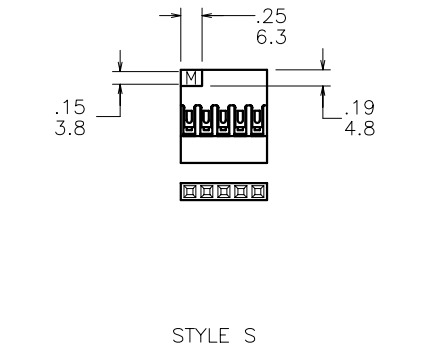
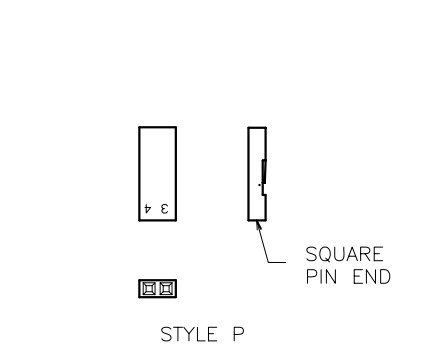
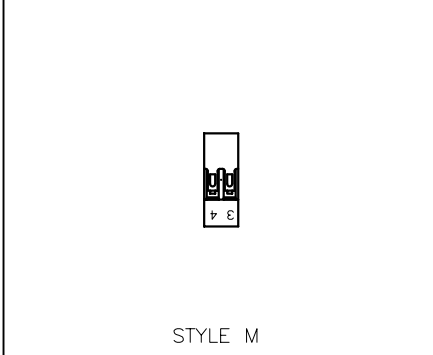
| | | | |
|---|--|---|--|
| <p>PRODUCT NO SEE TABLE</p> <p>MARK CO. LOGO TRADEMARK & PART NO. & CAVITY NO. APPROX. AS SHOWN.</p> <p>STYLE A</p> | <p>MARK CUST NAME AND CAVITY NO. APPROX AS SHOWN.</p> <p>STYLE D</p> | <p>CO. LOGO, CUSTOMER PART NO. FIRST AND LAST CAVITIES AND EVERY FIFTH CAVITY MARKED PERMANENTLY AND LEGIBLE IN WHITE INK APPROX AS SHOWN.</p> <p>NOTE 7</p> <p>STYLE G</p> | <p>MARK THIS ENTIRE END WHITE</p> <p>STYLE K</p> |
| <p>MARK CO. LOGO TRADEMARK & PART NO. & CAVITY NO. APPROX. AS SHOWN.</p> <p>STYLE B</p> | <p>MARK NUMBERS AS SHOWN CHARACTERS TO BE PERMANENT AND LEGIBLE AFTER REACHING #9 CAVITY CONTINUE ONLY MARKING EVERY OTHER ONE; IE. #11,#13, #15 ETC.</p> <p>STYLE E</p> | <p>MARK CHARACTERS AS SHOWN (ONE SIDE ONLY) 1,5,10,15, 20,ETC.</p> <p>LEAD-IN SIDE</p> <p>STYLE H</p> | <p>MARK CHARACTERS AS SHOWN IN WHITE (ONE SIDE ONLY)</p> <p>APPROX CENTERED ON PART</p> <p>STYLE L</p> |
| <p>MARK LETTERS AS SHOWN CHARACTERS TO BE PERMANENT & LEGIBLE. OMIT (I) POS AS SHOWN</p> <p>STYLE C</p> | <p>MARK ARROW IN WHITE APPROX AS SHOWN.</p> <p>STYLE F</p> | <p>NOTE 6</p> <p>APPROX CENTERED ON PART</p> <p>STYLE J</p> | |

| | | | | | |
|---------------------------|----------------|-----------------------|-------------------------|---|--|
| mat'l. code SEE NOTE 1 | | surface ASME Y14.5 | tolerance ASME Y14.5 | projection | product family PV HOUSINGS |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | title MINI LATCH HOUSING SINGLE ROW .100 [2.54] CC |
| BE | | | | angles XX+01/XX+3 XXX+005/XXX+13 XXXX+0020/XXX+051 | scale 1:1 |
| | | dr | M. CORNMAN | 1990-01-31 | dwg no 65039 |
| | | engr | H. SUNDY | 1990-01-31 | sheet 3 of 12 |
| | | chr | H. SUNDY | 1990-01-31 | size A4 |
| | | appd | H. SUNDY | 1990-01-31 | type Product Customer Drawing |
| sheet index | revision sheet | | | | |

PRODUCT NO
SEE TABLE

MARK CHARACTERS ON SIDE OPPOSITE THE LATCHES ON THE PLUGGABLE SQUARE PIN END

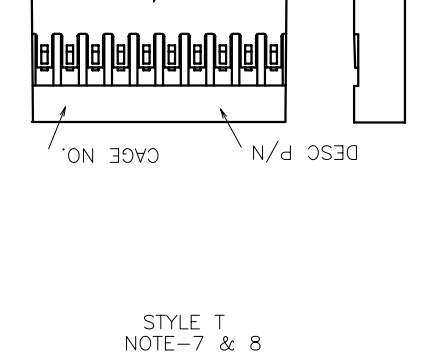
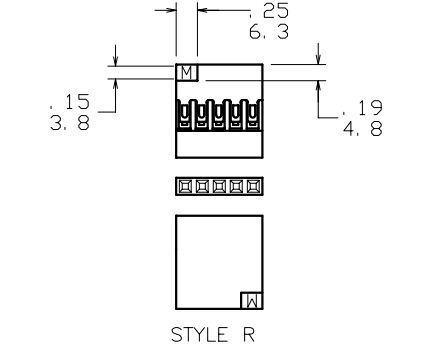
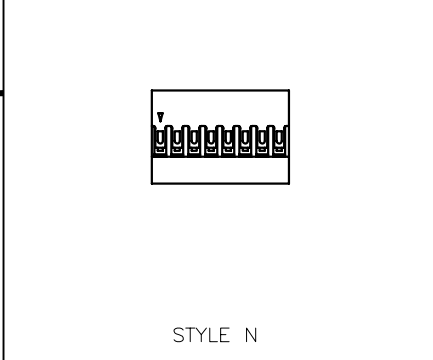
MARK AN M (BLACK) IN THE CORNER AS SHOWN, WITH A WHITE BACKGROUND.



CAVITY MARKED WITH ARROW

MARK AN M (BLACK) IN THE CORNER AS SHOWN, WITH A WHITE BACKGROUND, ON BOTH SIDES OF THE PART.

DATE CODE



| | | | | | | | | | |
|-------------|----------------|------------|------------|---------------------------------------|---------------------|------------|--|---------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| SEE NOTE 1 | | ASME Y14.5 | | ASME Y14.5 | | INCH/MM | | PV HOUSINGS | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | INCH/MM | | title | |
| BE | | | | angles | XX*.01/X*.3 | INCH/MM | | MINI LATCH HOUSING | |
| | | | | | XXX*.005/XX*.13 | scale 1:1 | | SINGLE ROW .100 [2.54] CC | |
| | | | | 0°±2' | XXXX*.0020/XXX*.051 | | | dwg no | |
| | | dr | M. CORNMAN | | | | | sheet 4 of 12 | |
| | | engr | H. SUNDY | | | | | size | |
| | | chr | H. SUNDY | | | | | A4 | |
| | | appd | H. SUNDY | | | | | type | |
| | | | | | | | | Product Customer Drawing | |
| sheet index | revision sheet | | | | | | | | |



| PRODUCT NO. | NO.OF POS. | DIM A MAX | DIM B | EUROPEAN VERSION-NOTE 12 | CONFIGURATION |
|-------------|------------|-------------|-------------|--------------------------|---------------|
| 65039-001LF | 36 | 3.600/91.44 | 3.500/88.90 | 65039-001ELF | 1 |
| 65039-002LF | 35 | 3.500/88.90 | 3.400/86.36 | 65039-002ELF | 1 |
| 65039-003LF | 34 | 3.400/86.36 | 3.300/83.82 | 65039-003ELF | 1 |
| 65039-004LF | 33 | 3.300/83.82 | 3.200/81.28 | 65039-004ELF | 1 |
| 65039-005LF | 32 | 3.200/81.28 | 3.100/78.74 | 65039-005ELF | 1 |
| 65039-006LF | 31 | 3.100/78.74 | 3.000/76.20 | 65039-006ELF | 1 |
| 65039-007LF | 30 | 3.000/76.20 | 2.900/73.66 | 65039-007ELF | 1 |
| 65039-008LF | 29 | 2.900/73.66 | 2.800/71.12 | 65039-008ELF | 1 |
| 65039-009LF | 28 | 2.800/71.12 | 2.700/68.58 | 65039-009ELF | 1 |
| 65039-010LF | 27 | 2.700/68.58 | 2.600/66.04 | 65039-010ELF | 1 |
| 65039-011LF | 26 | 2.600/66.04 | 2.500/63.50 | 65039-011ELF | 1 |
| 65039-012LF | 25 | 2.500/63.50 | 2.400/60.96 | 65039-012ELF | 1 |
| 65039-013LF | 24 | 2.400/60.96 | 2.300/58.24 | 65039-013ELF | 1 |
| 65039-014LF | 23 | 2.300/58.24 | 2.200/55.88 | 65039-014ELF | 1 |
| 65039-015LF | 22 | 2.200/55.88 | 2.100/53.34 | 65039-015ELF | 1 |
| 65039-016LF | 21 | 2.100/53.34 | 2.000/50.80 | 65039-016ELF | 1 |
| 65039-017LF | 20 | 2.000/50.80 | 1.900/48.26 | 65039-017ELF | 1 |
| 65039-018LF | 19 | 1.900/48.26 | 1.800/45.72 | 65039-018ELF | 1 |
| 65039-019LF | 18 | 1.800/45.72 | 1.700/43.18 | 65039-019ELF | 1 |
| 65039-020LF | 17 | 1.700/43.18 | 1.600/40.64 | 65039-020ELF | 1 |
| 65039-021LF | 16 | 1.600/40.64 | 1.500/38.10 | 65039-021ELF | 1 |
| 65039-022LF | 15 | 1.500/38.10 | 1.400/35.56 | 65039-022ELF | 1 |
| 65039-023LF | 14 | 1.400/35.56 | 1.300/33.02 | 65039-023ELF | 1 |
| 65039-024LF | 13 | 1.300/33.02 | 1.200/30.48 | 65039-024ELF | 1 |
| 65039-025LF | 12 | 1.200/30.48 | 1.100/27.94 | 65039-025ELF | 1 |
| 65039-026LF | 11 | 1.100/27.94 | 1.000/25.40 | 65039-026ELF | 1 |
| 65039-027LF | 10 | 1.000/25.40 | .900/22.86 | 65039-027ELF | 1 |
| 65039-028LF | 9 | .900/22.86 | .800/20.32 | 65039-028ELF | 1 |
| 65039-029LF | 8 | .800/20.32 | .700/17.78 | 65039-029ELF | 1 |
| 65039-030LF | 7 | .700/17.78 | .600/15.24 | 65039-030ELF | 1 |
| 65039-031LF | 6 | .600/15.24 | .500/12.70 | 65039-031ELF | 1 |
| 65039-032LF | 5 | .500/12.70 | .400/10.16 | 65039-032ELF | 1 |
| 65039-033LF | 4 | .400/10.16 | .300/7.62 | 65039-033ELF | 1 |
| 65039-034LF | 3 | .300/7.62 | .200/5.08 | 65039-034ELF | 1 |
| 65039-035LF | 2 | .200/5.08 | .100/2.54 | 65039-035ELF | 1 |
| 65039-036LF | 1 | .100/2.54 | — | — | 1 |

| | | | | | | | | | |
|-------------|--------|----------------|------------|---------------------------------------|--------|------------------------------|--|---|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| SEE NOTE 1 | | ASME Y14.5 | | ASME Y14.5 | | | | PV HOUSINGS | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | INCH/MM | | title | |
| BE | | | | angles | inches | XX+01/XX+3 XXX+005/XXX+13 | | MINI LATCH HOUSING SINGLE ROW .100 [2.54] CC | |
| | | | | 0"±2' | mm | XXXX+0020/XXX+051 | | scale 3:1 | |
| | | dr | M. CORNMAN | | | | | dwg no | |
| | | engr | H. SUNDY | | | | | sheet 5 of 12 | |
| | | chr | H. SUNDY | | | | | size | |
| | | appd | H. SUNDY | | | | | A4 | |
| sheet index | | revision sheet | | | | | | type Product Customer Drawing | |