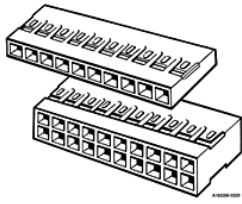


65043-033LF

[Assistant](#)

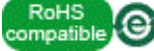


65043-033LF - Mini-PV™, Basics+

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

ACTIVE

[Customer Drawing](#)



Electronics division

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- [Technical library](#)

Mating Half



69168-108HLF2 Wall Shrouded Header -
Through Hole - Double row - 8
Positions 2.54 mm - Vertical



78207-108HLF2 Wall Shrouded Header -
Through Hole - Double row - 8
Positions 2.54 mm - Right Angle



67996-108HLF Unshrouded header,
Through Hole, Double row, 8 Positions,
2.54 mm Pitch, Vertical, 5.84 mm (0.23
in.) Mating, 2.41 mm (0.095 in.) Tail



68020-108HLF Unshrouded header,
Through Hole, Double row, 8 Positions,
2.54 mm Pitch, Right Angle, 5.84 mm
(0.23 in.) Mating, 2.41 mm (0.095 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](#)

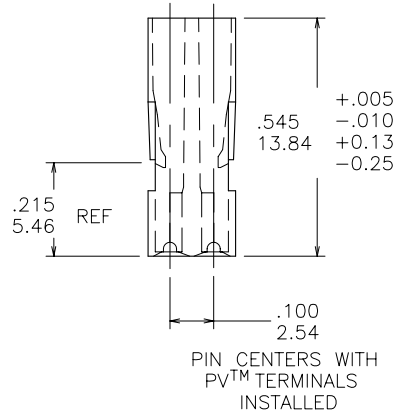
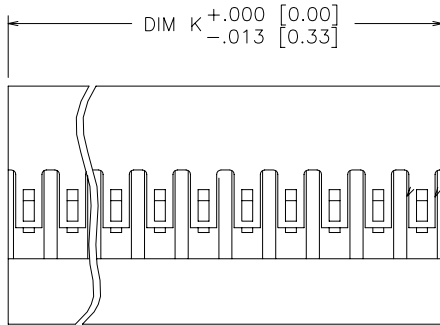
Application Tooling

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

Specifications

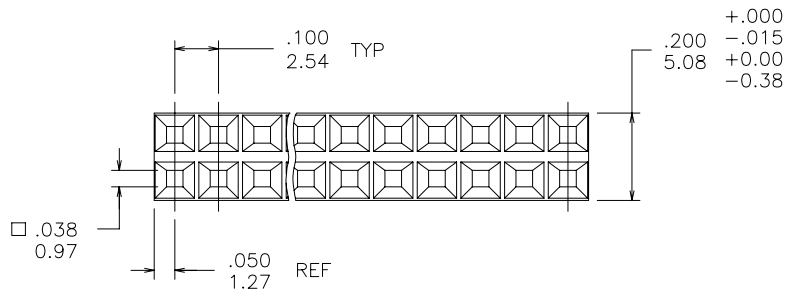
| General | Dimensional | Electrical | Physical | Approvals / Certifications | Other Features |
|-----------------------------------|-------------|------------|----------|--|-------------------|
| General | | | | | |
| Number of contacts | | | | 8 | |
| Number of rows | | | | 2 | |
| Orientation | | | | 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



NOTES

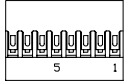
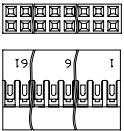
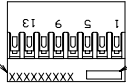
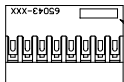
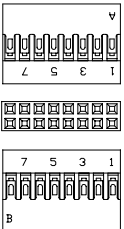
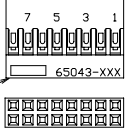

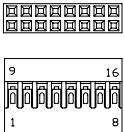
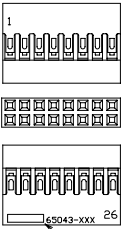
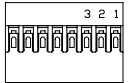
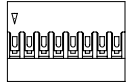
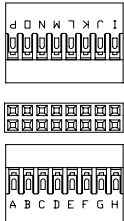
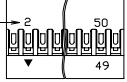
- ①. MOLDING MAT'L: MODIFIED POLYPHENYLENE ETHER. COLOR: BLACK, MEETING UL 94V-0.
2. PIN LENGTH TO BE .210/5.33 MIN. RECOMMENDED PIN LENGTH IS .225±.015/5.72±0.38.
3. FOR TERMINAL APPLICATION SEE TA-531.
4. TERMINALS MUST BE CRIMPED PROPERLY FOR SATISFACTORY LATCHING. SEE TA-75 FOR CRIMPING INSTRUCTIONS. PRODUCT SPECIFICATION: BUS-12-067
5. THIS HOUSING IS INTENDED FOR USE WITH MINI PV™ TERMINAL WITH 22-36 GAUGE WIRE.
- ⑥. ALL MARKINGS EXCEPT LOGO USE 6 POINT TYPE (APPROX .06/1.52 HIGH) AND WHITE INK (MARKEM #8829 OR EQUIV.) WHEN MARKING CAVITIES. NUMERALS OR LETTERS ARE TO BE CENTERED ON RESPECTIVE CAVITIES, UNLESS OTHERWISE NOTED.
- ⑦. LOGO TO BE POSITIONED IN THIS AREA SO THAT IT IS READ FROM THE SAME EDGE OF THE CONNECTOR AS THE OTHER MARKINGS.
- ⑧. ALL MARKINGS FOR MILITARY PART NUMBERS ARE TO BE PER MIL-STD-1285 SEE TABULATION.
- ⑨. PLACE DESC P/N AND CAGE NO. ON PACKAGING LABEL. PRODUCT LENGTH IS TOO SMALL TO MARK PRINT.
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 65043EUR.



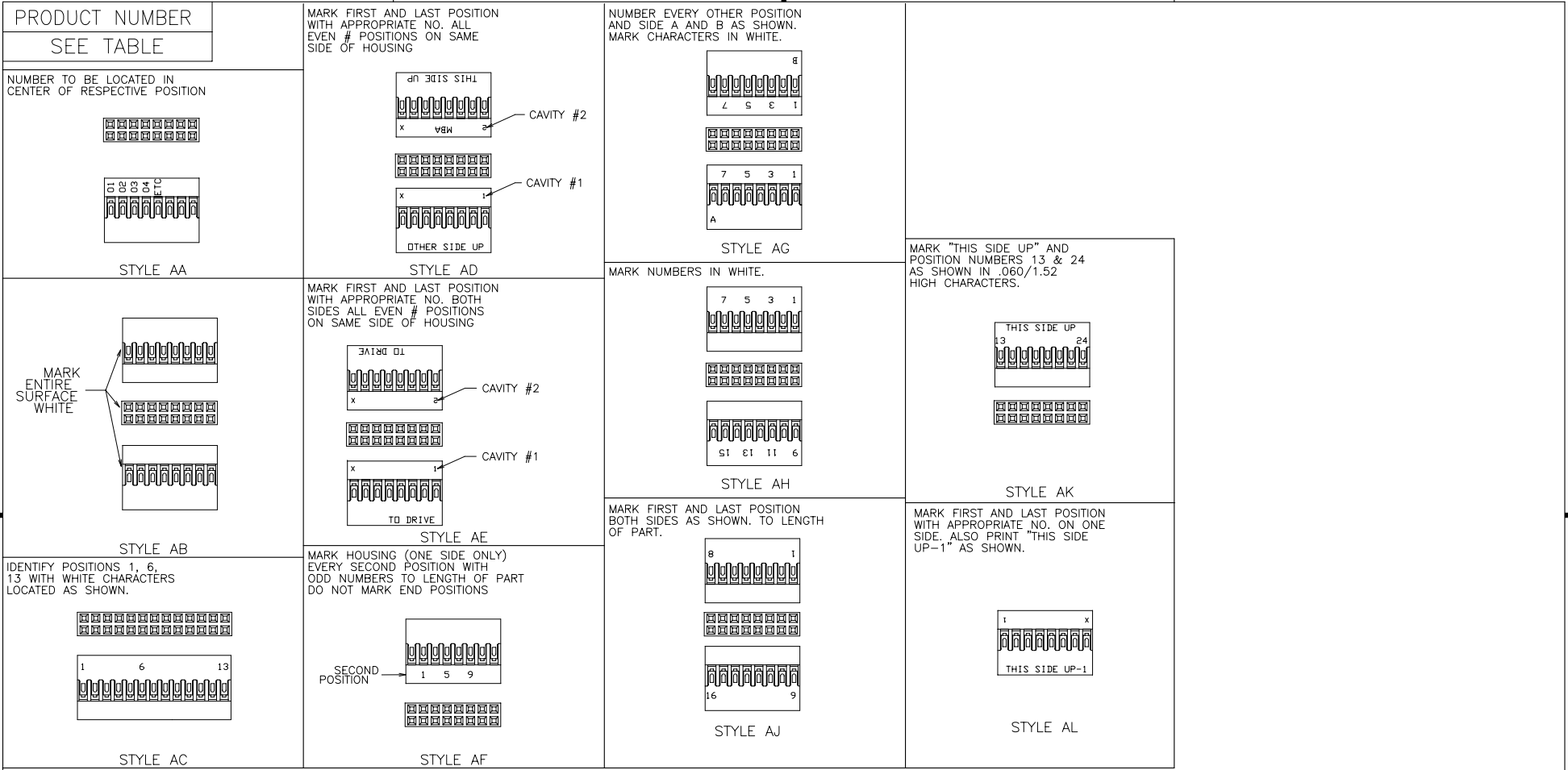
| | | | | | | | | | |
|-------------|----------|------------|------------|---------------------------------------|-------------------|-------------|----|---------------------------|--------------------------|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| SEE NOTE 1 | | ASME Y14.5 | | ASME Y14.5 | | INCH/MM | | PV HOUSINGS | |
| ltr | ec'n no | dr | date | tolerances unless otherwise specified | | INCH/MM | | title | |
| BF | V07-0483 | HTB | 2007-07-24 | angles | XX*01/XX*3 | INCH/MM | | MINI LATCH HOUSING | |
| BG | V08-0022 | HTB | 2008-01-15 | lines | XXX*005/XXX*13 | scale 2.5:1 | | DOUBLE ROW .100 [2.54] CC | |
| - | - | - | - | 0°±2' | XXXX*0020/XXX*051 | | | dwg no | |
| BB | V05-0712 | DAI | 2005-07-27 | dr | M. CLOUSER | 1990-01-31 | | sheet 1 of 11 | |
| BC | V06-0407 | HTB | 2006-04-27 | engr | C. TREXLER | 1990-01-31 | | size | |
| BD | V06-0549 | HTB | 2006-06-12 | chr | C. TREXLER | 1990-01-31 | | A4 | |
| BE | V06-0886 | HTB | 2006-08-31 | appd | C. TREXLER | 1990-01-31 | | type | |
| sheet | revision | BG | BG | BG | BG | BG | BG | BG | Product Customer Drawing |
| index | sheet | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |

| | | | |
|--|--|---|--|
| <p>PRODUCT NUMBER SEE TABLE</p> | <p>MARK POSITION NUMBERS AS SHOWN TO LENGTH OF PART.</p> | <p>MARK TOP, CO. LOGO, CUST P/N REV LEVEL, DATE OF MFG, SECOND & NEXT TO LAST POS ON BOTH SIDES IN WHITE AS SHOWN.</p> | |
| <p>MARK POSITION ONE AND CUST. NAME AS SHOWN.</p> <p>STYLE A</p> | <p>STYLE D</p> | <p>STYLE G</p> | |
| <p>MARK LOGO AND POSITIONS AS SHOWN</p> <p>STYLE B</p> | <p>MARK POSITIONS AS SHOWN.</p> <p>STYLE E</p> | <p>MARK CUST P/N & FIRST & LAST POS (1 SIDE ONLY) AS SHOWN</p> <p>STYLE H</p> | <p>MARK CAVITIES AS SHOWN.</p> <p>STYLE K</p> |
| <p>MARK ARROW IN WHITE AS SHOWN ON SURFACE OPPOSITE GATE.</p> <p>STYLE C</p> | <p>MARK CUSTOMERS P/N AND REVISION LEVEL IN AREA SHOWN.</p> <p>STYLE F</p> | <p>MARK TOP, CO. LOGO, CUST P/N REV LEVEL, DATE OF MFG, SECOND & NEXT TO LAST POS ON BOTH SIDES IN WHITE AS SHOWN.</p> <p>STYLE J</p> | <p>MARK SECOND CAVITY AS SHOWN.</p> <p>STYLE L</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 DOUBLE ROW .100 [2.54] CC |
| BG | | | | angles XX*.01/XX*.3 XXX*.005/XXX*.13 | scale 1:1 |
| | | | | linear 0'±2' | sheet 2 of 11 size A4 |
| | | dr | M. CLOUSER | 1990-01-31 | |
| | | engr | C. TREXLER | 1990-01-31 | |
| | | chr | C. TREXLER | 1990-01-31 | |
| | | appd | C. TREXLER | 1990-01-31 | |
| sheet index | revision sheet | | | | type Product Customer Drawing |

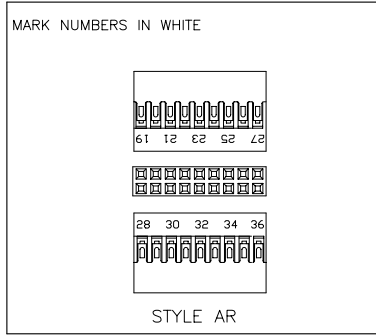
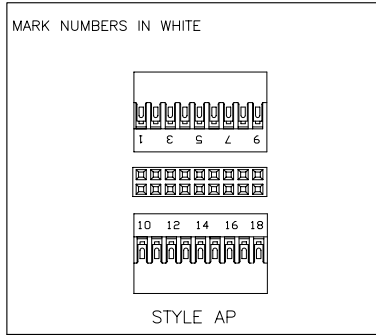
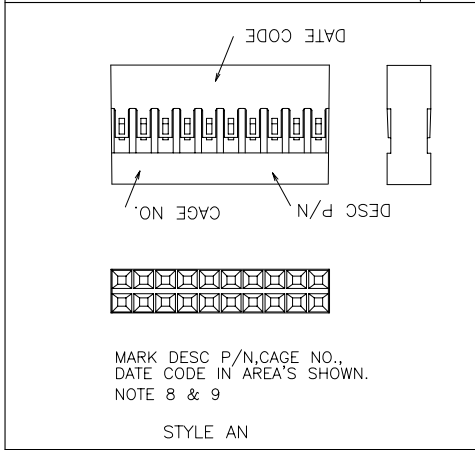
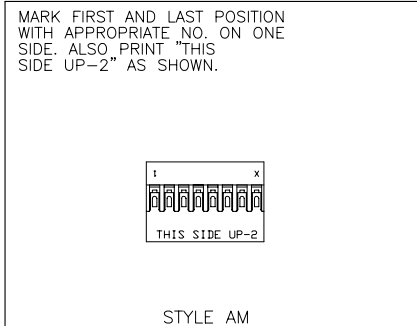
| | | | |
|--|--|---|--|
| <p>PRODUCT NUMBER SEE TABLE</p> | <p>MARK CHARACTERS AS SHOWN IN WHITE.(ONE SIDE ONLY)</p>  <p>STYLE Q</p> | <p>MARK CHARACTERS ONE SIDE ONLY.</p>  <p>STYLE U</p> | |
| <p>MARK CO. LOGO, CUST P/N AND FIRST & LAST POS PLUS EVERY FOURTH POS IN WHITE AS SHOWN (ONE SIDE ONLY)</p> <p>NOTE: HOUSING WITH 16 POS OR LESS WILL NOT HAVE CO. LOGO INCLUDED.</p>  <p>STYLE M</p> | <p>CO. LOGO AND P/N MARKED AS SHOWN. NO CO. P/N ON HOUSING LESS THAN 2 X 8.</p>  <p>STYLE R</p> | <p>NUMBER EVERY OTHER POSITION AND SIDE A AND B AS SHOWN.</p>  <p>STYLE V</p> | <p>MARK POSITION IDENTIFICATION AS SHOWN.</p>  <p>STYLE Y</p> |
| <p>MARK CAV IDENTIFICATION APPROX AS SHOWN.(ONE SIDE ONLY)</p>  <p>STYLE N</p> | <p>MARK CHARACTERS IN WHITE AS SHOWN.</p>  <p>STYLE S</p> | <p>MARK POS 1 & 26 CO. LOGO & P/N AS SHOWN SEE NOTE 6.</p>  <p>STYLE W</p> | <p>MARK POSITIONS 1, 2 AND 3 ONLY SEE NOTE 6</p>  <p>STYLE Z</p> |
| <p>MARK CAVITY AS SHOWN WITH ARROW.</p>  <p>STYLE O</p> | <p>MARK CHARACTERS IN WHITE AS SHOWN.</p>  <p>STYLE T</p> | | |
| <p>MARK CHARACTERS AS SHOWN IN WHITE.(ONE SIDE ONLY)</p> <p>SECOND POSITION</p>  <p>STYLE P</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 DOUBLE ROW .100 [2.54] CC |
| BG | | | | angles XX*01/XX*3 XXX*005/XXX*13 XXXX*0020/XXX*051 | scale 1:1 |
| | | dr | M. CLOUSER | 1990-01-31 | dwg no |
| | | engr | C. TREXLER | 1990-01-31 | sheet 3 of 11 |
| | | chr | C. TREXLER | 1990-01-31 | size 65043 |
| | | appd | C. TREXLER | 1990-01-31 | A4 |
| sheet index | revision sheet | | | | type Product Customer Drawing |



| | | | | |
|---------------------------|-----------------------|-------------------------|--|--|
| mat'l. code SEE NOTE 1 | surface ASME Y14.5 | tolerance ASME Y14.5 | projection | product family PV HOUSINGS |
| ltr BG | ecn no | dr date | tolerances unless otherwise specified XX*.01/X*.3 XXX*.005/XX*.13 XXXX*.0020/XXX*.051 | title MINI LATCH HOUSING DOUBLE ROW .100 [2.54] CC |
| | angles | inches feet | INCH/MM | scale 1:1 |
| | dr M. CLOUSER | 1990-01-31 | | sheet 4 of 11 |
| | engr C. TREXLER | 1990-01-31 | | size A4 |
| | chr C. TREXLER | 1990-01-31 | | dwg no 65043 |
| | appd C. TREXLER | 1990-01-31 | | type Product Customer Drawing |
| sheet index | revision sheet | | | |

PRODUCT NUMBER
SEE TABLE



| | | | | | | | | | |
|-------------|--------|----------------|------|---------------------------------------|-------------------|------------|--|---------------------------|--|
| 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 | |
| BG | | | | angles | .XX+01/XX+3 | 1:1 | | MINI LATCH HOUSING | |
| | | | | linear | XXX+005/XX+13 | scale | | DOUBLE ROW .100 [2.54] CC | |
| | | | | 0'±2' | XXXX+0020/XXX+051 | 1:1 | | dwg no | |
| | | | | dr | M. CLOUSER | 1990-01-31 | | sheet 5 of 11 | |
| | | | | engr | C. TREXLER | 1990-01-31 | | size | |
| | | | | chr | C. TREXLER | 1990-01-31 | | A4 | |
| | | | | appd | C. TREXLER | 1990-01-31 | | type | |
| sheet index | | revision sheet | | | | | | Product Customer Drawing | |



| PRODUCT NO. | NO OF POS | DIM K | EUROPEAN VERSION-NOTE 12 |
|-------------|-----------|-------------|--------------------------|
| 65043-001LF | 2 X 36 | 3.600/91.44 | 65043-001ELF |
| 65043-002LF | 2 X 35 | 3.500/88.90 | 65043-002ELF |
| 65043-003LF | 2 X 34 | 3.400/86.36 | 65043-003ELF |
| 65043-004LF | 2 X 33 | 3.300/83.82 | 65043-004ELF |
| 65043-005LF | 2 X 32 | 3.200/81.28 | 65043-005ELF |
| 65043-006LF | 2 X 31 | 3.100/78.74 | 65043-006ELF |
| 65043-007LF | 2 X 30 | 3.000/76.20 | 65043-007ELF |
| 65043-008LF | 2 X 29 | 2.900/73.66 | 65043-008ELF |
| 65043-009LF | 2 X 28 | 2.800/71.12 | 65043-009ELF |
| 65043-010LF | 2 X 27 | 2.700/68.58 | 65043-010ELF |
| 65043-011LF | 2 X 26 | 2.600/66.04 | 65043-011ELF |
| 65043-012LF | 2 X 25 | 2.500/63.50 | 65043-012ELF |
| 65043-013LF | 2 X 24 | 2.400/60.96 | 65043-013ELF |
| 65043-014LF | 2 X 23 | 2.300/58.24 | 65043-014ELF |
| 65043-015LF | 2 X 22 | 2.200/55.88 | 65043-015ELF |
| 65043-016LF | 2 X 21 | 2.100/53.34 | 65043-016ELF |
| 65043-017LF | 2 X 20 | 2.000/50.80 | 65043-017ELF |
| 65043-018LF | 2 X 19 | 1.900/48.26 | 65043-018ELF |
| 65043-019LF | 2 X 18 | 1.800/45.72 | 65043-019ELF |
| 65043-020LF | 2 X 17 | 1.700/43.18 | 65043-020ELF |
| 65043-021LF | 2 X 16 | 1.600/40.64 | 65043-021ELF |
| 65043-022LF | 2 X 15 | 1.500/38.10 | 65043-022ELF |
| 65043-023LF | 2 X 14 | 1.400/35.56 | 65043-023ELF |
| 65043-024LF | 2 X 13 | 1.300/33.02 | 65043-024ELF |
| 65043-025LF | 2 X 12 | 1.200/30.48 | 65043-025ELF |
| 65043-026LF | 2 X 11 | 1.100/27.94 | 65043-026ELF |
| 65043-027LF | 2 X 10 | 1.000/25.40 | 65043-027ELF |
| 65043-028LF | 2 X 9 | .900/22.86 | 65043-028ELF |
| 65043-029LF | 2 X 8 | .800/20.32 | 65043-029ELF |
| 65043-030LF | 2 X 7 | .700/17.78 | 65043-030ELF |
| 65043-031LF | 2 X 6 | .600/15.24 | 65043-031ELF |
| 65043-032LF | 2 X 5 | .500/12.70 | 65043-032ELF |
| 65043-033LF | 2 X 4 | .400/10.16 | 65043-033ELF |
| 65043-034LF | 2 X 3 | .300/7.62 | 65043-034ELF |
| 65043-035LF | 2 X 2 | .200/5.08 | 65043-035ELF |

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|-------------|--------|----------------|------|---------------------------------------|-------------------|------------|--|-------------------------------|--|
| 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 | |
| BG | | | | angles | .XX+01/XX+3 | | | MINI LATCH HOUSING | |
| | | | | linear | XXX+005/XXX+13 | scale 1:1 | | DOUBLE ROW .100 [2.54] CC | |
| | | | | 0'±2' | XXXX+0020/XXX+051 | | | dwg no | |
| | | | | dr | M. CLOUSER | 1990-01-31 | | sheet 6 of 11 | |
| | | | | engr | C. TREXLER | 1990-01-31 | | size | |
| | | | | chr | C. TREXLER | 1990-01-31 | | 65043 | |
| | | | | appd | C. TREXLER | 1990-01-31 | | A4 | |
| sheet index | | revision sheet | | | | | | type Product Customer Drawing | |