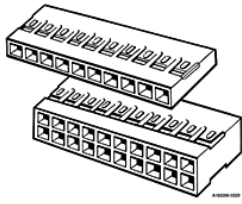


### 65039-029LF

Assistant

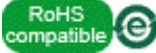


#### 65039-029LF - Mini-PV™, Basics+

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

ACTIVE

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Electronics division

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### Mating Half



**68000-108HLF** Unshrouded header, Through Hole, Single row, 8 Positions, 2.54 mm Pitch, Vertical, 5.84 mm (0.23 in.) Mating, 2.41 mm (0.095 in.) Tail



**68015-108HLF** Unshrouded header, Through Hole, Single row, 8 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](#)

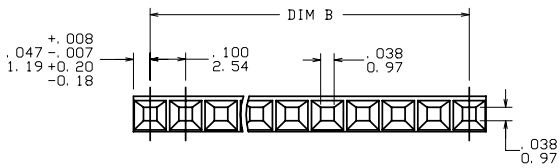
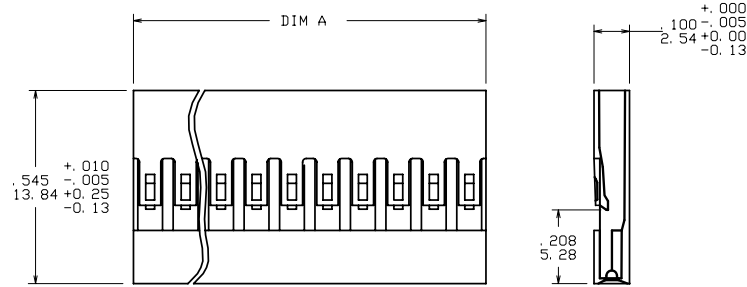
#### Application Tooling

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

### Specifications

General	Dimensional	Electrical	Physical	Approvals / Certifications	Other Features
<b>General</b>					
Number of contacts				8	
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.	
<b>Dimensional</b>					
Length (Mating pin)				5.33 mm (0.21 in.) to 6.1 mm (0.24 in)	
Size (Wire)				22 to 36 AWG	
<b>Electrical</b>					
Resistance (Insulation)				100000 M ohms	
Voltage rating				1000V rms	
<b>Physical</b>					
Color (Housing)				Black	
Material (Housing)				PPE+PS	
Temperature (Range)				-40°C to +105°C	
<b>Approvals / Certifications</b>					
Approvals / Certifications				UL and CSA Approved	
<b>Other Features</b>					
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 PVM 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	SEE NOTE 1	surface	tolerance	projection	product family
lfr	ec'n no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PV HOUSINGS
BE	v07-0483	HTB	2007-07-24	tolerances unless otherwise specified	title
-	-	-	-	angles	MINI LATCH HOUSING
AY	v03-1356	PJ	2004-01-31	0°±2'	SINGLE ROW .100 [2.54] CC
BA	v05-0712	DAI	2005-07-27	dr	dwg no
BB	v06-0407	HTB	2006-04-26	engr	sheet 1 of 12
BC	v06-0549	HTB	2006-06-12	chr	65039
BD	v06-0886	HTB	2006-08-31	appd	A4
sheet	revision	BE	BE	BE	BE
index	sheet	1	2	3	4

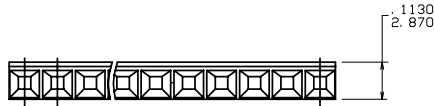
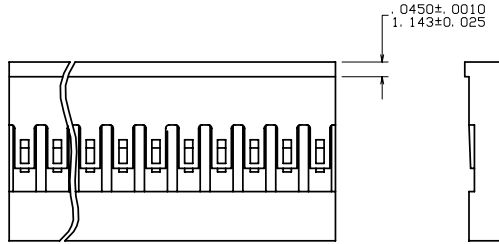


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PRODUCT NUMBER  
SEE TABLE



CONFIGURATION 2  
(WITH RIB)

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

form A4mmXLC

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<p>PRODUCT NO SEE TABLE</p> <p>MARK CO. LOGO TRADEMARK &amp; PART NO. &amp; 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>STYLE G</p>	<p>STYLE K</p>
<p>MARK CO. LOGO TRADEMARK &amp; PART NO. &amp; 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>STYLE H</p>	<p>MARK CHARACTERS AS SHOWN IN WHITE (ONE SIDE ONLY)</p> <p>STYLE L</p>
<p>MARK LETTERS AS SHOWN CHARACTERS TO BE PERMANENT &amp; 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>STYLE J</p>	


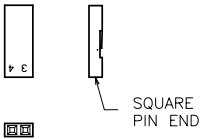
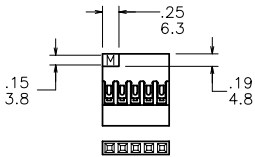


mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
tr	ecn no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PV HOUSINGS
BE				tolerances unless otherwise specified	title
				angles	MINI LATCH HOUSING
				finishes	SINGLE ROW .100 [2.54] CC
				0°±2'	dwg no
				dr M. CORNMAN 1990-01-31	65039
				enrg 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	revision				
index	sheet				



1 | 2

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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.
 <p>STYLE M</p>	 <p>SQUARE PIN END</p> <p>STYLE P</p>	 <p>STYLE S</p>
CAVITY MARKED WITH ARROW	<p>MARK AN M (BLACK) IN THE CORNER AS SHOWN, WITH A WHITE BACKGROUND, ON BOTH SIDES OF THE PART.</p>  <p>STYLE R</p>	 <p>STYLE T NOTE-7 &amp; 8</p>

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
lfr	ec'n no	dr	date	INCH/MM	PV HOUSINGS
BE				scale 1:1	title
					MINI LATCH HOUSING
					SINGLE ROW .100 [2.54] CC
					dwg no
					65039
					sheet 4 of 12
					size A4
					type
					Product Customer Drawing
sheet index	revision sheet				

form: A4mmXLC 1 | 2 | 3 | 4

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

form A4mmXLC

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