

Direct Links ...>

- Cross Reference
- RoHS/LF P/N search
- Document & Drawing search
- Application tooling

Services ...>

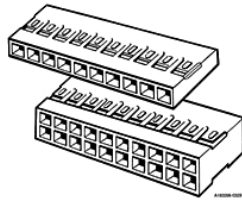
- Contact us
- Distributor list
- Pricing request
- Order samples

Literature ...>

- Brochures & catalogs
- Product documentation
- Technical library

65043-027LF

Assistant



65043-027LF - Mini-PV™,Basics+
2.54 x 2.54 mm (0.1 x 0.1 in.)
Centerline Crimp-to-Wire PV
Receptacle Housing, Double Row

Email Datasheet Print Datasheet

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ACTIVE

[Customer Drawing](#)

RoHS compatible

Electronics division

Mating Half



69168-120HLF2 Wall Shrouded Header - Through Hole - Double row - 20 Positions 2.54 mm - Vertical



78207-120HLF2 Wall Shrouded Header - Through Hole - Double row - 20 Positions 2.54 mm - Right Angle



67996-120HLF Unshrouded header, Through Hole, Double row, 20 Positions, 2.54 mm Pitch, Vertical, 5.84 mm (0.23 in.) Mating, 2.41 mm (0.095 in.) Tail



68020-120HLF Unshrouded header, Through Hole, Double row, 20 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](#)

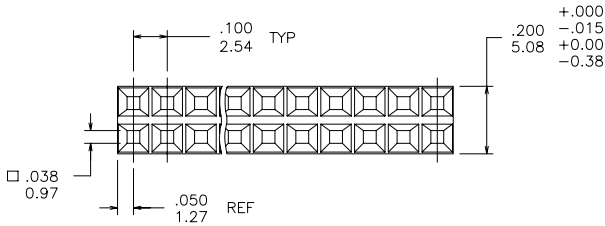
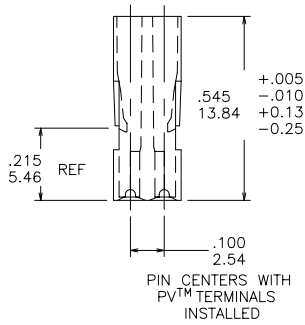
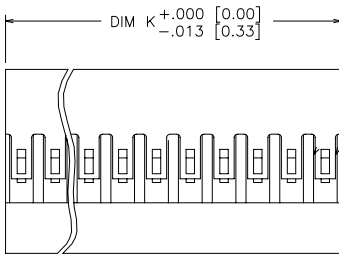
Application Tooling

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

Specifications

General	Dimensional	Electrical	Physical	Approvals / Certifications	Other Features
General					
Number of contacts				20	
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	
lfr	ec'n no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
BF	v07-0483	HTB	2007-07-24	angles	XXX+01/XX-3			MINI LATCH HOUSING	
BG	v08-0022	HTB	2008-01-15	flatness	XXX+005/XXX+13	scale 2.5:1		DOUBLE ROW .100 [2.54] CC	
-	-	-	-	0°±2'	XXXX+0020/XXX+051			dwg no 65043 sheet 1 of 11 size A4	
BB	v05-0712	DAI	2005-07-27	dr	M. CLOUSER	FCJ		type Product Customer Drawing	
BC	v06-0407	HTB	2006-04-27	engr	C. TREXLER				
BD	v06-0549	HTB	2006-06-12	chr	C. TREXLER				
BE	v06-0986	HTB	2006-08-31	appd	C. TREXLER				
sheet	revision	BG	BG	BG	BG	BG	BG	BG	BG
index	sheet	1	2	3	4	5	6	7	8

<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>SECOND POSITION</p> <p>STYLE D</p>	<p>NOTE 7</p> <p>STYLE G</p>	<p>MARK CAVITIES AS SHOWN.</p> <p>STYLE K</p>
<p>MARK LOGO AND POSITIONS AS SHOWN</p> <p>NOTE 7</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 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>NOTE 7</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
l/r	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title	MINI LATCH HOUSING
BG				angles	XXX+01/XX+3	scale	DOUBLE ROW .100 [2.54] CC	
				0°±2'	XXX+005/XXX+13	1:1	dwg no	65043
					XXXX+0020/XXX+051		sheet	2 of 11
				dr	M. CLOUSER 1990-01-31		size	A4
				engr	C. TREXLER 1990-01-31		type	Product Customer Drawing
				chr	C. TREXLER 1990-01-31			
sheet	revision			appd	C. TREXLER 1990-01-31			
index	sheet							

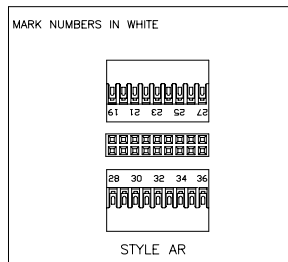
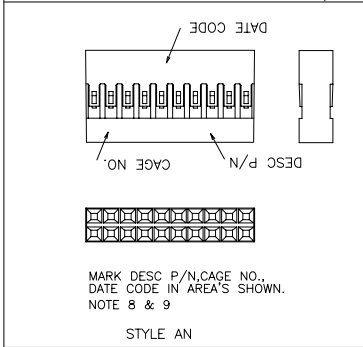
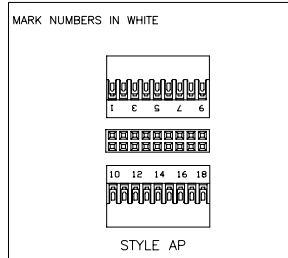
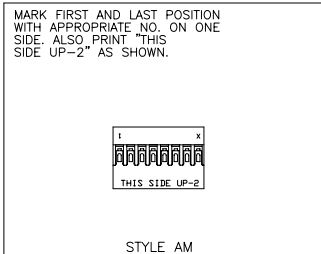
<p>PRODUCT NUMBER SEE TABLE</p>	<p>MARK CHARACTERS AS SHOWN IN WHITE.(ONE SIDE ONLY)</p> <p>STYLE Q</p>	<p>MARK CHARACTERS ONE SIDE ONLY.</p> <p>STYLE U</p>	
<p>MARK CO. LOGO, CUST P/N AND FIRST & LAST POS PLUS EVERY FOURTH POS IN WHITE AS SHOWN (ONE SIDE ONLY)</p> <p>NOTE: HOUSING WITH 16 POS OR LESS 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	tolerance	projection	product family
ltr	ecn no	ASME Y14.5 ✓	ASME Y14.5		PV HOUSINGS
BG	dr	tolerances unless otherwise specified		INCH/MM	title
	date	angles	0°±2'	scale 1:1	MINI LATCH HOUSING
		fin			DOUBLE ROW .100 [2.54] CC
		dr	M. CLOUSER 1990-01-31		dwg no
		engr	C. TREXLER 1990-01-31		65043
		chr	C. TREXLER 1990-01-31		sheet 3 of 11 size
		appd	C. TREXLER 1990-01-31		A4
sheet	revision				type
index	sheet				Product Customer Drawing

<p>PRODUCT NUMBER SEE TABLE</p> <p>NUMBER TO BE LOCATED IN CENTER OF RESPECTIVE POSITION</p> <p>STYLE AA</p>	<p>MARK FIRST AND LAST POSITION WITH APPROPRIATE NO. ALL EVEN # POSITIONS ON SAME SIDE OF HOUSING</p> <p>STYLE AD</p>	<p>NUMBER EVERY OTHER POSITION AND SIDE A AND B AS SHOWN. MARK CHARACTERS IN WHITE.</p> <p>STYLE AG</p>	
<p>MARK ENTIRE SURFACE WHITE</p> <p>STYLE AB</p>	<p>MARK FIRST AND LAST POSITION WITH APPROPRIATE NO. BOTH SIDES ALL EVEN # POSITIONS ON SAME SIDE OF HOUSING</p> <p>STYLE AE</p>	<p>MARK NUMBERS IN WHITE.</p> <p>STYLE AH</p>	<p>MARK "THIS SIDE UP" AND POSITION NUMBERS 13 & 24 AS SHOWN IN .060/1.52 HIGH CHARACTERS.</p> <p>STYLE AK</p>
<p>IDENTIFY POSITIONS 1, 6, 13 WITH WHITE CHARACTERS LOCATED AS SHOWN.</p> <p>STYLE AC</p>	<p>MARK HOUSING (ONE SIDE ONLY) EVERY SECOND POSITION WITH APPROPRIATE NO. ODD NUMBERS TO LENGTH OF PART DO NOT MARK END POSITIONS</p> <p>STYLE AF</p>	<p>MARK FIRST AND LAST POSITION BOTH SIDES AS SHOWN. TO LENGTH OF PART.</p> <p>STYLE AJ</p>	<p>MARK FIRST AND LAST POSITION WITH APPROPRIATE NO. ON ONE SIDE. ALSO PRINT "THIS SIDE UP-1" AS SHOWN.</p> <p>STYLE AL</p>

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
l/r	ec'n no	ASME Y14.5 ✓	ASME Y14.5		PV HOUSINGS
BG	dr	tolerances unless otherwise specified		INCH/MM	title
		angles	XX±01/XX±3	scale 1:1	MINI LATCH HOUSING
		0'±2'	XXX±.005/XXX±.03		DOUBLE ROW .100 [2.54] CC
		dr	XXXX±.0020/XXX±.051		dwg no
		engr			65043
		chr			sheet 4 of 11 size
		appd			A4
sheet	revision				type
index	sheet				Product Customer Drawing

PRODUCT NUMBER
SEE TABLE



mat'l. code		SEE NOTE 1		surface	tolerance	projection	product family
				ASME Y14.5 ✓	ASME Y14.5		PV HOUSINGS
lt	ec	no	dr	tolerances unless otherwise specified		title	
BG				angles	XXX+01/XX+3	MINI LATCH HOUSING	
				0°±2'	XXX+005/XX+13	DOUBLE ROW .100 [2.54] CC	
					XXXX+0020/XXX+051	INCH/MM	dwg no
				dr	M. CLOUSER 1990-01-31	scale 1:1	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	revision						Product Customer Drawing
index	sheet						

