65039-031LF

Assistant

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Document & Drawing search
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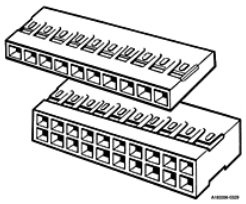
Brochures & catalogs
Product documentation
Technical library



65039-031LF - Mini-PV™,Basics+

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

ACTIVE

Customer Drawing

RoHS compatible

Electronics division

Email Datasheet Print Datasheet

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Contact our sales/technical support
Sample request
Price request
Check distributor stock

Mating Half

68000-106HLF Unshrouded header, Through Hole, Single row, 6 Positions, 2.54 mm Pitch, Vertical, 5.84 mm (0.23 in.) Mating, 2.41 mm (0.095 in.) Tail

68015-106HLF Unshrouded header, Through Hole, Single row, 6 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	6
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

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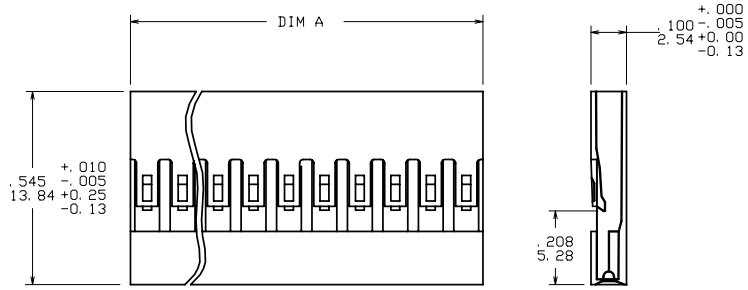
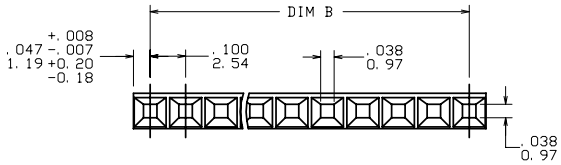
PRODUCT NUMBER
SEE TABLE





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		PV HOUSINGS
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
BE	V07-0483	HTB	2007-07-24	angles	linear XX±.01/.X±.3	INCH/MM	MINI LATCH HOUSING
–	–	–	–		XXX±.005/.XX±.13		SINGLE ROW .100 [2.54] CC
AY	V03-1356	PJ	2004-01-31	0°±2°	.XXXX±.0020/.XXX±.051	scale 3:1	
BA	V05-0712	DAI	2005-07-27	dr	M. CORNMAN	1990-01-31	dwg no 65039 sheet 1 of 12 size A4
BB	V06-0407	HTB	2006-04-26	engr	H. SUNDY	1990-01-31	
BC	V06-0549	HTB	2006-06-12	chr	H. SUNDY	1990-01-31	
BD	V06-0886	HTB	2006-08-31	appd	H. SUNDY	1990-01-31	type Product Customer Drawing

sheet	revision	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
index	sheet	1	2	3	4	5	6	7	8	9	10	11	12

form: A4mmXLc

PDM: Rev:BE STATUS:Released Printed: Aug 03, 2007

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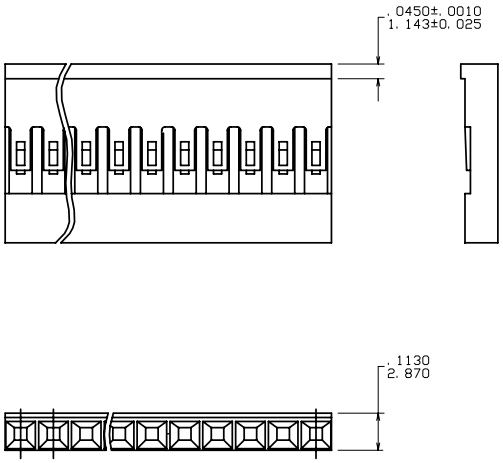
PRODUCT NUMBER
SEE TABLE



CONFIGURATION 2
(WITH RIB)

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	linear: XX±.01/X±.3	INCH/MM					
					XXX±.005/XX±.13						
				0°±2°	XXXX±.0020/XXX±.051	scale 3:1					
				dr	M. CORNMAN	1990-01-31	dwg no: 65039	sheet 2 of 12	size: A4		
				engr	H. SUNDY	1990-01-31					
				chr	H. SUNDY	1990-01-31					
				appd	H. SUNDY	1990-01-31	type: Product Customer Drawing				
sheet index	revision sheet										

form: A4mmXLc

PDM: Rev:BE STATUS:**Released** Printed: Aug 03, 2007

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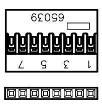
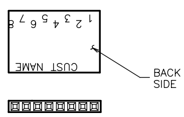
PRODUCT NO
SEE TABLE

MARK CO. LOGO TRADEMARK & PART NO. & CAVITY NO. APPROX. AS SHOWN.



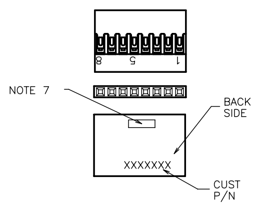
STYLE A

MARK CUST NAME AND CAVITY NO. APPROX AS SHOWN.

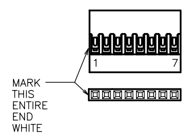


STYLE D

CO. LOGO, CUSTOMER PART NO. FIRST AND LAST CAVITIES AND EVERY FIFTH CAVITY MARKED PERMANENTLY AND LEGIBLE IN WHITE INK APPROX AS SHOWN.

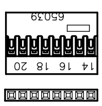


STYLE G



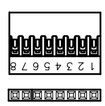
STYLE K

MARK CO. LOGO TRADEMARK & PART NO. & CAVITY NO. APPROX. AS SHOWN.



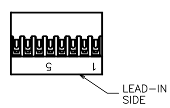
STYLE B

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.



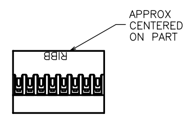
STYLE E

MARK CHARACTERS AS SHOWN (ONE SIDE ONLY) 1,5,10,15, 20,ETC.



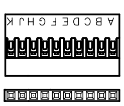
STYLE H

MARK CHARACTERS AS SHOWN IN WHITE (ONE SIDE ONLY)



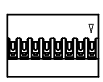
STYLE L

MARK LETTERS AS SHOWN CHARACTERS TO BE PERMANENT & LEGIBLE. OMIT (I) POS AS SHOWN



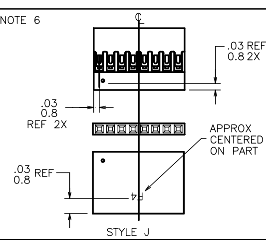
STYLE C

MARK ARROW IN WHITE APPROX AS SHOWN.



STYLE F

NOTE 6



STYLE J

mat'l. code	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5	ASME Y14.5		PV HOUSINGS

ltr	ecn no	dr	date
BE			

tolerances unless otherwise specified: angles 0°±2°; linear .XX±.01/.X±.3, .XXX±.005/.XX±.13, .XXXX±.0020/.XXX±.051

INCH/MM — scale 1:1

title: MINI LATCH HOUSING SINGLE ROW .100 [2.54] CC

dr	M. CORNMAN	1990-01-31
engr	H. SUNDY	1990-01-31
chr	H. SUNDY	1990-01-31
appd	H. SUNDY	1990-01-31

dwg no 65039 — sheet 3 of 12 — size A4

type Product Customer Drawing

sheet index — revision sheet

form: A4mmXLc

PDM: Rev:BE STATUS:Released Printed: Aug 03, 2007

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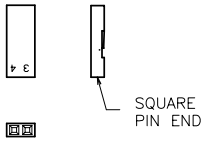
PRODUCT NO
SEE TABLE

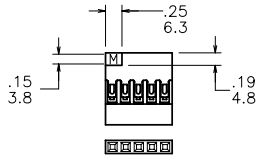
STYLE M

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



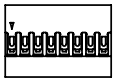
STYLE P

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



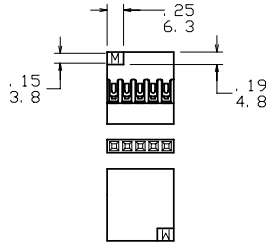
STYLE S

CAVITY MARKED WITH ARROW

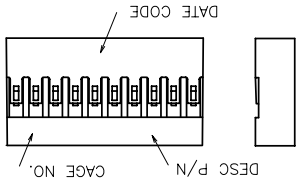


STYLE N

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



STYLE R



STYLE T
NOTE–7 & 8

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	linear	XX±.01/X±.3	INCH/MM	MINI LATCH HOUSING
						XXX±.005/XX±.13		SINGLE ROW .100 [2.54] CC
				0°±2°		XXXX±.0020/XXX±.051	scale 1:1	
				dr	M. CORNMAN	1990-01-31		dwg no 65039 sheet 4 of 12 size A4
				engr	H. SUNDY	1990-01-31		
				chr	H. SUNDY	1990-01-31		
				appd	H. SUNDY	1990-01-31		type Product Customer Drawing
sheet index	revision sheet							

form: A4mmXLc

PDM: Rev:BE STATUS:Released Printed: Aug 03, 2007

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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	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5	ASME Y14.5		PV HOUSINGS

tolerances unless otherwise specified: angles 0°±2°; linear .XX±.01/.X±.3, .XXX±.005/.XX±.13, .XXXX±.0020/.XXX±.051

INCH/MM — scale 3:1

title: MINI LATCH HOUSING SINGLE ROW .100 [2.54] CC

ltr	ecn no	dr	date
BE			

dr	M. CORNMAN	1990-01-31
engr	H. SUNDY	1990-01-31
chr	H. SUNDY	1990-01-31
appd	H. SUNDY	1990-01-31

dwg no 65039 — sheet 5 of 12 — size A4

type: Product Customer Drawing

sheet index — revision sheet

form: A4mmXLc

PDM: Rev:BE STATUS:Released Printed: Aug 03, 2007