

65039/65043 Series
Mini-Latch PV™ Housing

For use with dual metal Mini-PV contacts and crimp-to-wire pins. Allows simultaneous connections of Mini-PV terminated conductors on 0.100" × 0.100" or 0.100" × 0.200" double row, to accommodate Mini-PV receptacles or crimp-to-wire male pins. Accepts crimp-to-wire Mini-PV range AWG 22-36, and crimp-to wire pin AWG 22-32. Made of modified polyphenylene oxide rated UL 94V-1, color Black. **Insulation Resistance:** 1 × 10⁶ MΩ minimum. **Temperature Range:** -40°C to +105°C. **Withstanding Voltage:** 1000 Vrms at sea level. **Latching Force:** 6.5 lbs. minimum per position. Optional polarization plug.

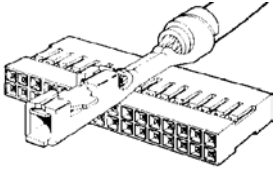
Single Row, 0.100" Centers

Stock No.	Mfr.'s Type	No. of Pos.	Dim. A Inches	EACH		
				1-99	100-499	500-999
518-0150	65039-035	2	0.200	.32	.29	.24
518-0151	65039-034	3	0.300	.36	.33	.27
518-0152	65039-033	4	0.400	.39	.35	.29
518-0153	65039-032	5	0.500	.45	.41	.34
518-0154	65039-031	6	0.600	.52	.47	.39
518-0155	65039-030	7	0.700	.52	.47	.39
518-0156	65039-029	8	0.800	.57	.51	.43
518-0157	65039-027	10	1.000	.66	.59	.49

Double Row, 0.100 × 0.100" Centers

518-0170	65043-035	4	0.200	.54	.49	.41
518-0171	65043-034	6	0.300	.52	.47	.39
518-0172	65043-033	8	0.400	.63	.57	.48
518-0173	65043-032	10	0.500	.88	.80	.66
518-0174	65043-031	12	0.600	.48	.43	.36
518-0175	65043-030	14	0.700	1.25	1.12	.94
518-0176	65043-029	16	0.800	1.09	.98	.82
518-0177	65043-027	20	1.000	1.54	1.39	1.16
518-0178	65043-017	40	2.000	2.09	1.88	1.56

Bergcon® Crimp-To-Wire MiniPV™ Receptacles



► Mini-PV Receptacle Shown with Latch Housing

Mate to 0.019 inch and 0.025 inch round or square pins. Dual-metal contact design provides constant retention force after repeated cycles. These female receptacles have beryllium-copper spring and brass body. Offer superior electrical and mechanical characteristics. Standard spring force is recommended for use in Mini-Latch housings 40-72 positions. High spring force for Mini-Latch housings 10-50 positions.

Stock No.	Mfr.'s Type	AWG	Spring Force	Plating*	EACH		
					1-99	100-499	500-999
518-0129	47716-000	18, 20	High	3	.16	.14	.12
518-0130	48266-000	18, 20	Standard	1	.33	.29	.24
518-0003	47750-000	22, 24, 26	Ultra-High	3	.16	.14	.12
518-9997	47712-000	22, 24, 26	High	4	.39	.35	.29
518-0132	48234-000	22, 24, 26	High	1	.32	.29	.24
518-0131	48235-000	22, 24, 26	Standard	1	.32	.29	.24
518-0134	47747-000	22, 24, 26	Standard	3	.16	.14	.12
518-0135	47748-000	28, 30, 32	High	3	.16	.14	.12
518-0133	48252-000	28, 30, 32	Standard	2	.32	.29	.24

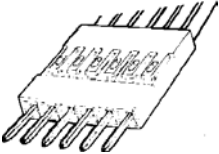
*1=30 μ inch gold over nickel with gold flash; 2=15 μ inch gold over nickel with gold flash; 3=100 μ inch tin-lead; 4=40 μ inch gold over nickel with gold flash.

Male Crimp-To-Wire Pins

► Crimp-to-Wire Pin Shown Installed in Mini-Latch Housing

Crimp-to-wire pin fits in mini-latch housings. Mates to MiniPV receptacles. 0.100" minimum spacing. Brass contact and gold finish. **Current Rating:** 3 A continuous depending on wire size. **Resistance:** 5 mΩ maximum. **Temperature Range:** -65°C to +125°C. UL recognized.

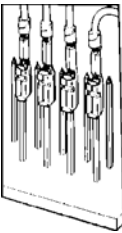
518-0100.	48115-000. For 28-32 AWG.	1-99	EACH	.58
100-999			EACH	.52
518-0101.	48116-000. For 22-26 AWG.	1-99	EACH	.50
100-999			EACH	.45
518-0102.	48117-000. For 18-20 AWG.	1-99	EACH	.58
100-999			EACH	.52



Handtools

Lightweight, rugged hand tools have ratchet-action handle that assures complete crimp cycle. For application on crimp-to-wire PV receptacles and pins.

518-0050.	HT-73. Mini PV, 18-20 AWG	EACH	548.08
518-0051.	HT-80. PV Removal Tool	EACH	1.29
518-0052.	HT-95. Mini PV, 22-32 AWG	EACH	548.08
518-0054.	HT-49. Maxi PV, 18-20 AWG	EACH	575.28
518-0055.	HT-48. Mini PV, 22-26 AWG	EACH	575.28
518-0056.	HT-102. Pin Contacts, 22-32 AWG	EACH	535.84

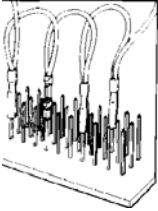


Bergcon® System Crimp-To-Wire
MaxiPV™ Receptacles

Two-piece design provides low resistance, high pressure, gas-tight connection. Mate to 0.025" round or square pins. 0.125" spacing. Contact has brass body, beryllium copper spring and gold finish. **Current Rating:** 5 A continuous depending on wire size. Type 46227 accepts AWG 18 or 20. Type 46237 accepts AWG 22, 24, or 26. **Resistance:** 4 mΩ maximum. **Temperature Range:** -65°C to +125°C. Come with standard spring force, recommended for Maxi-Latch housing 12 through 56 positions. UL recognized, CSA certified.

518-0120.	46227-000. 1-99	EACH	.44
100-999		EACH	.39
518-0121.	46237-000. 1-99	EACH	.44
100-999		EACH	.39

Daisy Chain Jumpers

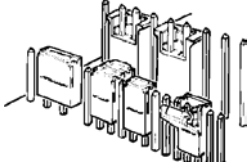


- MAXI-PV Contacts Provide Constant High Electrical and Mechanical Reliability After Repeated Cycles
- Board As Shown Not Included With Jumpers

Eliminate wire measuring, stripping, soldering or hand-tool terminating. Maxi-PV contacts provide constant high electrical and mechanical reliability after repeated cycles. Contact has brass body and beryllium copper spring. **Contact Area:** 1 μm (40 μ inch) gold over nickel. **Reminder:** Gold flash. **Current Rating:** 2.5 A. **Resistance:** 4 mΩ maximum. **Insertion Force (Max.):** 4.30 N (430 gf) with withdrawal force (min.) 0.75 N (75 gf). **Temperature Range:** -65°C to +105°C. AWG 28 stranded copper wire conductor with PVC insulation. PVC shrinkable tubing. **Packaging:** 250 contacts per reel.

518-0001.	47254-000	PER REEL	230.35
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Bergcon® System Mini Jump™ Jumpers



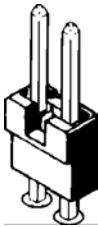
65474 Series. Jumpers feature high density packaging, stackable on 0.100" spacing. Offer single row, two positions per row. For bussing, programming and switch replacement. Replace conventional printed circuit board switches. Virtually eliminates accidental de-programming. Mate with 0.025" square and round pins. Dual metal PV contact design provide excellent retention after repeated cycling. Available in glass-filled thermoplastic polyester housing, color blue. Gold flash over nickel finish. **Insulation Resistance:** 1 × 10⁶ MΩ minimum. **Temperature Range:** -65°C to +125°C. Contact has a brass or cupro nickel body and a beryllium copper spring. Rated at 3 A maximum, with initial resistance of 11 mΩ maximum, 15 mΩ maximum after tests. UL recognized, CSA certified.

Stock No.	Mfr.'s Type	Plating	EACH		
			1-99	100-499	500-999
518-0005	65474-002	100 μ inch tin-lead over nickel	.15	.13	.11
518-0009	65474-010	30 μ inch gold over nickel	.18	.16	.14

Low Profile Jumper System

► Pins Shown Are Not Included with Jumper

68786 Series. Economy jumper system applicable for bussing, programming, and switch replacement. Low profile permits high-density packaging. Dual beam contact. Offer 0.100 inch spacing and two positions standard. Housed in thermoplastic polyester rated UL94V-0, color black. **Insulation Resistance:** 50,000 MΩ minimum. **Temperature Range:** -55°C to +120°C. **Withstanding Voltage:** 750 Vrms. **Contact Current Rating:** 2.5 A maximum. **Resistance:** 15 mΩ maximum. Mates with 0.025 inch square pin. Contact made of phosphor-bronze. Type 68786-202 is plated 30 μ inch gold; 68786-302, 100 μ inch tin/lead.



518-0021.	68786-202. 1-99	EACH	.12
100-999		EACH	.11
518-0022.	68786-302. 1-99	EACH	.11
100-999		EACH	.10

Bergcon® System Polarization Plug



Polarization plugs for mini and maxi latch housings are made of nylon and come in white. **Temperature Range:** -40°C to +105 °C. UL recognized.

518-0025.	65307-001. 1-99	EACH	.12
100-999		EACH	.11