

Housing	Polyester	Voltage	600V
Headers	Glass-filled, 4/6 nylon	Current	49A max
Contacts	Copper alloy	Contact resistance	1mΩ max
Plating	Tin/Lead over Nickel	Dielectric voltage	2200V
Temperature	-40 to +105°C	Insulation resistance	1000MΩ min
		Amperes per line	10AWG = 33A 8AWG = 49A
Mfrs. List Nos:	Repectacle housing 42816-xx12	Pnl mount plug housing 42818-xx12	
	Vertical header 42819-x2222	R/A header 42818-x222	
	Where xxx = No. of Ways		

No. of Ways	Order Code	1+	10+	Price Each	+	+
Receptacle Housing						
2	307-5783	51.00	43.00	35.00	--	--
3	307-5795	123.00	103.00	67.00	--	--
4	307-5801	63.00	53.00	43.00	--	--
5	307-5813	70.00	58.00	47.00	--	--
6	307-5825	76.00	64.00	48.00	--	--
Panel Mount Housing						
2	307-5837	51.00	43.00	35.00	--	--
3	307-5849	57.00	48.00	36.00	--	--
4	307-5850	63.00	53.00	40.00	--	--
5	307-5862	70.00	58.00	47.00	--	--
6	307-5874	76.00	64.00	48.00	--	--
Vertical Header						
2	112-5167	121.00	102.00	66.00	--	--
3	112-5168	157.00	132.00	85.00	--	--
4	112-5169	180.00	152.00	98.00	--	--
5	112-5170	205.00	173.00	112.00	--	--
6	112-5171	243.00	205.00	132.00	--	--
R/A Header						
2	112-5172	161.00	136.00	88.00	--	--
3	112-5173	229.00	193.00	125.00	--	--
4	112-5174	261.00	220.00	142.00	--	--
5	112-5176	307.00	258.00	167.00	--	--
6	112-5177	365.00	307.00	199.00	--	--
10 Per Pack		1+	10+	25+	50+	
Pins						
8 AWG	307-5760	228.00	205.00	194.00	171.00	
8 AWG	101-2175	228.00	205.00	194.00	182.00	
10 AWG	307-5758	228.00	205.00	194.00	171.00	
10 AWG	101-2173	228.00	205.00	194.00	171.00	
Sockets						
8 AWG	307-5771	228.00	205.00	194.00	171.00	
8 AWG	101-2176	228.00	205.00	194.00	171.00	
10 AWG	307-5746	228.00	205.00	194.00	171.00	
10 AWG	973-3132	228.00	205.00	194.00	171.00	
Tooling				Price Each		
8 AWG Hand Tool	307-5989			26,162.00		
10 AWG Hand Tool	307-5990			22,804.00		
Extraction Tool	307-6003			20,904.00		

VL Connector Series
Plugs, Receptacles and Shrouded PCB Headers



- 6.2mm pitch, wire-to-wire and wire-to-board connector system
- Housing lances for contact retention
- Plug housing mates with VL Series Header
- Suitable for high power circuits
- Panel lock construction

Current Rating	20A ac/dc	Contact Resistance	7mR
Voltage Rating	600V ac/dc	Insulation Resistance	1000MR
Withstanding Voltage	2000V ac/1min.	PC board Thickness	1.6mm
Wire size	0.52 - 3.3mm ² , (12 - 20AWG)		
Housing	Nylon 66, UL94V-0Natural (White)		
Contacts - Plug/Receptacle	Phosphor BronzeTin		
Contacts - Header	Copper alloy, tin plated		
Temperature Range	-25°C to +90°C		

No. of Ways	Mfrs. List No.	Order Code	5+	100+	250+	500+
Receptacle Housing - Accepts Pin contacts						
2	VLR-02V	735-6307	29.00	26.00	23.00	20.00
3	VLR-03V	735-6315	33.00	30.00	26.00	23.00
4	VLR-04V	735-6331	45.00	41.00	36.00	32.00
Plug Housing - Accepts Socket contacts						
2	VLP-02V	735-6340	25.00	22.00	20.00	18.00
3	VLP-03V	735-6358	32.00	29.00	25.00	23.00
4	VLP-04V	735-6366	38.00	34.00	30.00	27.00
Shrouded PCB Header						
2	B02P-VL	735-6439	78.00	71.00	62.00	55.00
3	B03P-VL	735-6447	84.00	76.00	67.00	60.00
4	B04P-VL	735-6455	117.00	106.00	93.00	83.00

Crimp contacts - Pin		10+	100+	250+	500+
0.5 - 2.0mm ²	BVM-61T-P2.0	735-6374	9.00	8.00	7.00
3.5mm ²	BVM-81T-P2.0	735-6390	9.00	8.00	7.00
Crimp contacts - Socket					
0.5 - 2.0mm ²	BVF-61T-P2.0	735-6382	8.00	7.00	6.00
3.5mm ²	BVF-81T-P2.0	735-6404	8.00	7.00	6.00

Sabre 7.5mm Pitch
For 14 to 18 AWG Wire Ranges



- 2 - 6 circuits wire to wire or wire to board
- Board locks for 0.062" thick PCBs
- Patented new TPA (Terminal Position Assurance) on mated terminals
- Virtually eliminates terminal backout
- Anti-tangle positive latches
- Polarised Housing
- Terminals fully isolated in housings
- For 14 - 18 AWG wire

Voltage	100V mated, 600V unmated	Temperature range	-40°C to 130°C
Current rating	18A	Housing	Nylon UL94V-0
Dielectric voltage	6000V	Contacts	Brass, Plating
Insulation resistance	1000MR		

Mfrs. List No.	Description	Order Code
43178-2002.	male terminal - insulation diameter 4.57mm	329-2903
43178-2002	female terminal - insulation diameter 3.3mm	101-2197
43375-0001.	female terminal - insulation diameter 3.3mm	329-2915
43375-0001	female terminal - insulation diameter 3.3mm	973-4090
43375-1001.	female terminal - insulation diameter 4.57mm	329-2927
43375-1001	female terminal - insulation diameter 4.57mm	973-4104
43680-2002	2 way plug	329-2939
43680-2003	3 way plug	329-2940
43680-2004	4 way plug	329-2952
43680-2005	5 way plug	329-2964
43680-2006	6 way plug	329-2976
44441-2002	2 way receptacle	329-2988
44441-2003	3 way receptacle	329-2990
44441-2004	4 way receptacle	329-3002
44441-2005	5 way receptacle	329-3014
44441-2006	6 way receptacle	329-3026
43160-3102	2 way header SMC r/a with board lock	329-3038
43160-3103	3 way header SMC r/a with board lock	329-3040
43160-3104	4 way header SMC r/a with board lock	329-3051
43160-3106	6 way header SMC r/a with board lock	329-3075
43160-2102.	2 way header SMC vertical with board lock	329-3087
43160-2102	2 way header SMC vertical with board lock	973-4112
43160-2103.	3 way header SMC vertical with board lock	329-3099
43160-2103	4 way header SMC vertical with board lock	101-2199
43160-2104.	4 way header SMC vertical with board lock	329-3105
43160-2104	4 way header SMC vertical with board lock	973-4120
43160-2105.	5 way header SMC vertical with board lock	329-3117
43160-2105	6 way header SMC vertical with board lock	101-2200
43160-2106.	6 way header SMC vertical with board lock	329-3129
43160-2106	female crimp hand tool 2.36-3.56mm dia	101-2201
63811-0400	female crimp hand tool 2.36-3.56mm dia	329-3154
63811-0500	female crimp hand tool 23.05-4.57mm dia	329-3178
63813-0500	female extraction tool	329-3166
63813-0800	male extraction tool	329-3180

No of Ways	Mfrs. List No.	Order Code	2+	10+	100+	500+
Plug						
2	43680-2002	329-2939	35.00	30.00	21.00	18.00
3	43680-2003	329-2940	42.00	36.00	25.00	22.00
4	43680-2004	329-2952	49.00	42.00	31.00	25.00
5	43680-2005	329-2964	58.00	48.00	36.00	29.00
6	43680-2006	329-2976	65.00	55.00	40.00	34.00
Receptacle						
2	44441-2002	329-2988	35.00	30.00	22.00	18.00
3	44441-2003	329-2990	42.00	36.00	26.00	22.00
4	44441-2004	329-3002	49.00	42.00	31.00	25.00
5	44441-2005	329-3014	58.00	48.00	37.00	29.00
6	44441-2006	329-3026	65.00	55.00	38.00	34.00
R/angled Hdr						
2	43160-3102	329-3038	95.00	80.00	58.00	48.00
3	43160-3103	329-3040	113.00	96.00	69.00	58.00
4	43160-3104	329-3051	132.00	111.00	72.00	61.00
6	43160-3106	329-3075	169.00	142.00	98.00	80.00
Vertical Hdr						
2	43160-2102.	329-3087	124.00	105.00	72.00	59.00
2	43160-2102	973-4112	124.00	105.00	68.00	51.00
3	43160-2103.	329-3099	103.00	86.00	63.00	53.00
3	43160-2103	101-2199	103.00	86.00	56.00	42.00
4	43160-2104.	329-3105	122.00	103.00	75.00	62.00
4	43160-2104	973-4120	122.00	103.00	66.00	50.00
5	43160-2105.	329-3117	141.00	118.00	82.00	67.00
5	43160-2105	101-2200	141.00	118.00	77.00	58.00
6	43160-2106.	329-3129	158.00	133.00	92.00	75.00
6	43160-2106	101-2201	158.00	133.00	86.00	65.00

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Connectors - Multipole

Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available