



13780467

F
E
D
C
B
A

EXPLODED VIEW

1. WIRE SIZES AND TYPES:
- APEX 150 TERMINALS:
- SIZE: 22 GAGE / 16 GAGE - 1.50mm MIN O.D. TO 2.41mm MAX O.D.
- TYPE: TXL (MIL123-A / MS-808B)
- ALTERNATIVELY:
- SIZE: 0.5mm² TO 1.5mm² / 1.40mm MIN O.D. TO 2.4mm MAX O.D.
- TYPE: FLR2X (125°C PE-X) or FLRYW (125°C PVC)
(STRUCTURE & PROPERTIES ACC. 1506722)
- APEX 2.8 TERMINALS:
- SIZE: 18 GAGE / 12 GAGE - 1.90mm MIN O.D. TO 3.35mm MAX O.D.
- TYPE: TXL (MIL123-A / MS-808B)
- ALTERNATIVELY:
- SIZE: 0.75mm² TO 3.0mm² / 1.70mm MIN O.D. TO 3.4mm MAX O.D.
- TYPE: FLR2X (125°C PE-X) or FLRYW (125°C PVC)
(STRUCTURE & PROPERTIES ACC. 1506722)
- CONTACT MVL ENGINEERING REGARDING USE OF OTHER WIRE SIZES AND/OR TYPES

2. CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
- MVL APEX150 AND APEX18 WITH WIRE SIZES DEFINED IN NOTE 5, SEE MVL DRAWINGS J540D9 AND C15004 FOR SPECIFIC PART NUMBERS AND CRIMPING REQUIREMENTS.
- CONTACT MVL ENGINEERING REGARDING USE OF COMPATIBLE NON MVL TERMINALS

3. ANNUAL QUALITY REQUIREMENTS:
IT IS PERMANENTLY TO PERFORM CONTINUOUS CONFORMANCE PER MVL SPECIFICATION #QA-001 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 AND SAE/USCAR-2 REV 4. FOR TERMINAL TO CONNECTOR AND TPA TO CONNECTOR ONLY.

4. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

5. FEMALE CONNECTORS EQUIPPED WITH OPTIONAL CLIPSLOT CAN ONLY BE MATED TO MALE CONNECTORS WITHOUT CLIPSLOT FEATURE. KEY OPTION D IS TO BE USED FOR FEMALE CONNECTORS WITH CLIPSLOT FEATURES AND THEIR MALE COUNTERPARTS.
- CONTACT MVL ENGINEERING FOR SPECIFIC PACKAGING REQUIREMENTS WHEN USING CLIPSLOT CONFIGURATIONS

6. QUALITY ASSURANCE REQUIREMENTS SPC DATA REQUIRED

7. 11X10.31 MINIMUM APTIV CORPORATE BRAND TO BE LOCATED ON ANY EXTERIOR SURFACE, PREFERABLY VISIBLE AT FINAL ASSEMBLY. OPTIONAL CONSTRUCTION FOR EXISTING TOOLING MAY BE "PED", "TET" OR NO LOGO.

8. DIMENSIONS ARE IN MILLIMETERS

9. REFERENCE:
MVL DWG-PCCC377483

10. DIMENSIONAL TABLE

ENVIRONMENTAL RANGE	TEMPERATURE	THIRD ANGLE PROJECTION	USE WITH DATA
FROM 10 TO 20	20 TO 17	TO 30	TO 100
100 TO 200	200 TO 300	300 TO 400	400 TO 500
500 TO 600	600 TO 700	700 TO 800	800 TO 900
900 TO 1000	1000 TO 1100	1100 TO 1200	1200 TO 1300
1300 TO 1400	1400 TO 1500	1500 TO 1600	1600 TO 1700
1700 TO 1800	1800 TO 1900	1900 TO 2000	2000 TO 2100
2100 TO 2200	2200 TO 2300	2300 TO 2400	2400 TO 2500
2500 TO 2600	2600 TO 2700	2700 TO 2800	2800 TO 2900
2900 TO 3000	3000 TO 3100	3100 TO 3200	3200 TO 3300
3300 TO 3400	3400 TO 3500	3500 TO 3600	3600 TO 3700
3700 TO 3800	3800 TO 3900	3900 TO 4000	4000 TO 4100
4100 TO 4200	4200 TO 4300	4300 TO 4400	4400 TO 4500
4500 TO 4600	4600 TO 4700	4700 TO 4800	4800 TO 4900
4900 TO 5000	5000 TO 5100	5100 TO 5200	5200 TO 5300
5300 TO 5400	5400 TO 5500	5500 TO 5600	5600 TO 5700
5700 TO 5800	5800 TO 5900	5900 TO 6000	6000 TO 6100
6100 TO 6200	6200 TO 6300	6300 TO 6400	6400 TO 6500
6500 TO 6600	6600 TO 6700	6700 TO 6800	6800 TO 6900
6900 TO 7000	7000 TO 7100	7100 TO 7200	7200 TO 7300
7300 TO 7400	7400 TO 7500	7500 TO 7600	7600 TO 7700
7700 TO 7800	7800 TO 7900	7900 TO 8000	8000 TO 8100
8100 TO 8200	8200 TO 8300	8300 TO 8400	8400 TO 8500
8500 TO 8600	8600 TO 8700	8700 TO 8800	8800 TO 8900
8900 TO 9000	9000 TO 9100	9100 TO 9200	9200 TO 9300
9300 TO 9400	9400 TO 9500	9500 TO 9600	9600 TO 9700
9700 TO 9800	9800 TO 9900	9900 TO 10000	10000 TO 10100
10100 TO 10200	10200 TO 10300	10300 TO 10400	10400 TO 10500
10500 TO 10600	10600 TO 10700	10700 TO 10800	10800 TO 10900
10900 TO 11000	11000 TO 11100	11100 TO 11200	11200 TO 11300
11300 TO 11400	11400 TO 11500	11500 TO 11600	11600 TO 11700
11700 TO 11800	11800 TO 11900	11900 TO 12000	12000 TO 12100
12100 TO 12200	12200 TO 12300	12300 TO 12400	12400 TO 12500
12500 TO 12600	12600 TO 12700	12700 TO 12800	12800 TO 12900
12900 TO 13000	13000 TO 13100	13100 TO 13200	13200 TO 13300
13300 TO 13400	13400 TO 13500	13500 TO 13600	13600 TO 13700
13700 TO 13800	13800 TO 13900	13900 TO 14000	14000 TO 14100
14100 TO 14200	14200 TO 14300	14300 TO 14400	14400 TO 14500
14500 TO 14600	14600 TO 14700	14700 TO 14800	14800 TO 14900
14900 TO 15000	15000 TO 15100	15100 TO 15200	15200 TO 15300
15300 TO 15400	15400 TO 15500	15500 TO 15600	15600 TO 15700
15700 TO 15800	15800 TO 15900	15900 TO 16000	16000 TO 16100
16100 TO 16200	16200 TO 16300	16300 TO 16400	16400 TO 16500
16500 TO 16600	16600 TO 16700	16700 TO 16800	16800 TO 16900
16900 TO 17000	17000 TO 17100	17100 TO 17200	17200 TO 17300
17300 TO 17400	17400 TO 17500	17500 TO 17600	17600 TO 17700
17700 TO 17800	17800 TO 17900	17900 TO 18000	18000 TO 18100
18100 TO 18200	18200 TO 18300	18300 TO 18400	18400 TO 18500
18500 TO 18600	18600 TO 18700	18700 TO 18800	18800 TO 18900
18900 TO 19000	19000 TO 19100	19100 TO 19200	19200 TO 19300
19300 TO 19400	19400 TO 19500	19500 TO 19600	19600 TO 19700
19700 TO 19800	19800 TO 19900	19900 TO 20000	20000 TO 20100
20100 TO 20200	20200 TO 20300	20300 TO 20400	20400 TO 20500
20500 TO 20600	20600 TO 20700	20700 TO 20800	20800 TO 20900
20900 TO 21000	21000 TO 21100	21100 TO 21200	21200 TO 21300
21300 TO 21400	21400 TO 21500	21500 TO 21600	21600 TO 21700
21700 TO 21800	21800 TO 21900	21900 TO 22000	22000 TO 22100
22100 TO 22200	22200 TO 22300	22300 TO 22400	22400 TO 22500
22500 TO 22600	22600 TO 22700	22700 TO 22800	22800 TO 22900
22900 TO 23000	23000 TO 23100	23100 TO 23200	23200 TO 23300
23300 TO 23400	23400 TO 23500	23500 TO 23600	23600 TO 23700
23700 TO 23800	23800 TO 23900	23900 TO 24000	24000 TO 24100
24100 TO 24200	24200 TO 24300	24300 TO 24400	24400 TO 24500
24500 TO 24600	24600 TO 24700	24700 TO 24800	24800 TO 24900
24900 TO 25000	25000 TO 25100	25100 TO 25200	25200 TO 25300
25300 TO 25400	25400 TO 25500	25500 TO 25600	25600 TO 25700
25700 TO 25800	25800 TO 25900	25900 TO 26000	26000 TO 26100
26100 TO 26200	26200 TO 26300	26300 TO 26400	26400 TO 26500
26500 TO 26600	26600 TO 26700	26700 TO 26800	26800 TO 26900
26900 TO 27000	27000 TO 27100	27100 TO 27200	27200 TO 27300
27300 TO 27400	27400 TO 27500	27500 TO 27600	27600 TO 27700
27700 TO 27800	27800 TO 27900	27900 TO 28000	28000 TO 28100
28100 TO 28200	28200 TO 28300	28300 TO 28400	28400 TO 28500
28500 TO 28600	28600 TO 28700	28700 TO 28800	28800 TO 28900
28900 TO 29000	29000 TO 29100	29100 TO 29200	29200 TO 29300
29300 TO 29400	29400 TO 29500	29500 TO 29600	29600 TO 29700
29700 TO 29800	29800 TO 29900	29900 TO 30000	30000 TO 30100
30100 TO 30200	30200 TO 30300	30300 TO 30400	30400 TO 30500
30500 TO 30600	30600 TO 30700	30700 TO 30800	30800 TO 30900
30900 TO 31000	31000 TO 31100	31100 TO 31200	31200 TO 31300
31300 TO 31400	31400 TO 31500	31500 TO 31600	31600 TO 31700
31700 TO 31800	31800 TO 31900	31900 TO 32000	32000 TO 32100
32100 TO 32200	32200 TO 32300	32300 TO 32400	32400 TO 32500
32500 TO 32600	32600 TO 32700	32700 TO 32800	32800 TO 32900
32900 TO 33000	33000 TO 33100	33100 TO 33200	33200 TO 33300
33300 TO 33400	33400 TO 33500	33500 TO 33600	33600 TO 33700
33700 TO 33800	33800 TO 33900	33900 TO 34000	34000 TO 34100
34100 TO 34200	34200 TO 34300	34300 TO 34400	34400 TO 34500
34500 TO 34600	34600 TO 34700	34700 TO 34800	34800 TO 34900
34900 TO 35000	35000 TO 35100	35100 TO 35200	35200 TO 35300
35300 TO 35400	35400 TO 35500	35500 TO 35600	35600 TO 35700
35700 TO 35800	35800 TO 35900	35900 TO 36000	36000 TO 36100
36100 TO 36200	36200 TO 36300	36300 TO 36400	36400 TO 36500
36500 TO 36600	36600 TO 36700	36700 TO 36800	36800 TO 36900
36900 TO 37000	37000 TO 37100	37100 TO 37200	37200 TO 37300
37300 TO 37400	37400 TO 37500	37500 TO 37600	37600 TO 37700
37700 TO 37800	37800 TO 37900	37900 TO 38000	38000 TO 38100
38100 TO 38200	38200 TO 38300	38300 TO 38400	38400 TO 38500
38500 TO 38600	38600 TO 38700	38700 TO 38800	38800 TO 38900
38900 TO 39000	39000 TO 39100	39100 TO 39200	39200 TO 39300
39300 TO 39400	39400 TO 39500	39500 TO 39600	39600 TO 39700
39700 TO 39800	39800 TO 39900	39900 TO 40000	40000 TO 40100
40100 TO 40200	40200 TO 40300	40300 TO 40400	40400 TO 40500
40500 TO 40600	40600 TO 40700	40700 TO 40800	40800 TO 40900
40900 TO 41000	41000 TO 41100	41100 TO 41200	41200 TO 41300
41300 TO 41400	41400 TO 41500	41500 TO 41600	41600 TO 41700
41700 TO 41800	41800 TO 41900	41900 TO 42000	42000 TO 42100
42100 TO 42200	42200 TO 42300	42300 TO 42400	42400 TO 42500
42500 TO 42600	42600 TO 42700	42700 TO 42800	42800 TO 42900
42900 TO 43000	43000 TO 43100	43100 TO 43200	43200 TO 43300
43300 TO 43400	43400 TO 43500	43500 TO 43600	43600 TO 43700
43700 TO 43800	43800 TO 43900	43900 TO 44000	44000 TO 44100
44100 TO 44200	44200 TO 44300	44300 TO 44400	44400 TO 44500
44500 TO 44600	44600 TO 44700	44700 TO 44800	44800 TO 44900
44900 TO 45000	45000 TO 45100	45100 TO 45200	45200 TO 45300
45300 TO 45400	45400 TO 45500	45500 TO 45600	45600 TO 45700
45700 TO 45800	45800 TO 45900	45900 TO 46000	46000 TO 46100
46100 TO 46200	46200 TO 46300	46300 TO 46400	46400 TO 46500
46500 TO 46600	46600 TO 46700	46700 TO 46800	46800 TO 46900
46900 TO 47000	47000 TO 47100	47100 TO 47200	47200 TO 47300
47300 TO 47400	47400 TO 47500	47500 TO 47600	47600 TO 47700
47700 TO 47800	47800 TO 47900	47900 TO 48000	48000 TO 48100
48100 TO 48200	48200 TO 48300	48300 TO 48400	48400 TO 48500
48500 TO 48600	48600 TO 48700	48700 TO 48800	48800 TO 48900
48900 TO 49000	49000 TO 49100	49100 TO 49200	49200 TO 49300
49300 TO 49400	49400 TO 49500	49500 TO 49600	49600 TO 49700
49700 TO 49800	49800 TO 49900	49900 TO 50000	50000 TO 50100
50100 TO 50200	50200 TO 50300	50300 TO 50400	50400 TO 50500
50500 TO 50600	50600 TO 50700	50700 TO 50800	50800 TO 50900
50900 TO 51000	51000 TO 51100	51100 TO 51200	51200 TO 51300
51300 TO 51400	51400 TO 51500	51500 TO 51600	51600 TO 51700
51700 TO 51800	51800 TO 51900	51900 TO 52000	52000 TO 52100
52100 TO 52200	52200 TO 52300	52300 TO 52400	52400 TO 52500
52500 TO 52600	52600 TO 52700	52700 TO 52800	52800 TO 52900
52900 TO 53000	53000 TO 53100	53100 TO 53200	53200 TO 53300
53300 TO 53400	53400 TO 53500	53500 TO 53600	53600 TO 53700
53700 TO 53800	53800 TO 53900	53900 TO 54000	54000 TO 54100
54100 TO 54200	54200 TO 54300	54300 TO 54400	54400 TO 54500
54500 TO 54600	54600 TO 54700	54700 TO 54800	54800 TO 54900
54900 TO 55000	55000 TO 55100	55100 TO 55200	55200 TO 55300
55300 TO 55400	55400 TO 55500	55500 TO 55600	55600 TO 55700
55700 TO 55800	55800 TO 55900	55900 TO 56000	56000 TO 56100
56100 TO 56200	56200 TO 56300	56300 TO 56400	56400 TO 56500
56500 TO 56600	56600 TO 56700	56700 TO 56800	56800 TO 56900
56900 TO 57000	57000 TO 57100	57100 TO 57200	57200 TO 57300
57300 TO 57400	57400 TO 57500	57500 TO 57600	57600 TO 57700
57700 TO 57800	57800 TO 57900	57900 TO 58000	58000 TO 58100
58100 TO 58200	58200 TO 58300	58300 TO 58400	58400 TO 58500
58500 TO 58600	58600 TO 58700	58700 TO 58800	58800 TO 58900
58900 TO 59000	59000 TO 59100	59100 TO 59200	59200 TO 59300
59300 TO 59400	59400 TO 59500	59500 TO 59600	59600 TO 59700
59700 TO 59800	59800 TO 59900	59900 TO 60000	60000 TO 60100
60100 TO 60200	60200 TO 60300	60300 TO 60400	60400 TO 60500
60500 TO 60600	60600 TO 60700	60700 TO 60800	60800 TO 60900
60900 TO 61000	61000 TO 61100	61100 TO 61200	61200 TO 61300
61300 TO 61400	61400 TO 61500	61500 TO 61600	61600 TO 61700
61700 TO 61800	61800 TO 61900	61900 TO 62000	62000 TO 62100
62100 TO 62200	62200 TO 62300	62300 TO 62400	62400 TO 62500
62500 TO 62600	62600 TO 62700	62700 TO 62800	62800 TO 62900
62900 TO 63000	63000 TO 63100	63100 TO 63200	63200

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Aptiv:](#)

[35063678](#)