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2011

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LOC

DIST

REVISIONS

AI

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P	LTR	DESCRIPTION	DATE	DWN	APVD
	B1	DIM "B" ADDED	05DEC2014	PS	JK

Technical drawings of a power terminal block showing front, side, and cross-sectional views with dimensions:

- Top view: Overall width B , hole diameter $\phi 5.5$.
- Front view: Pole pitch 15.0 , total width A , mounting flange height 2.0 . Pin dimensions: 1.2 ± 0.1 , 3.8 ± 0.1 , 5.60 , 15 ± 0.1 .
- Side view: Total height 39.0 , mounting flange width 15.00 , base width 5.0 , pin diameter 1.2 ± 0.1 , pin length 3.10 , and base thickness 12.5 ± 0.1 .
- Bottom view: Mounting flange height 11.00 .

NOTES:

- MATERIALS:**
 HOUSING-PA66, UL94 VO, COLOR-GREEN
 SCREW- M5, STEEL, NICKEL PLATED
 CLAMP- STEEL, NICKEL PLATED
 CONTACT PIN- BRASS, TIN PLATED
- MECHANICAL:**
 PCB THICKNESS-2.40 MAX
 PCB HOLE DIAMETER-1.60 MIN
 STRIP LENGTH-18 mm
 OPERATING TEMPERATURE:-40°C TO +110°C
 RECOMMENDED/HIGHEST TIGHTENING TORQUE-2.1/2.5 Nm.
- ELECTRICAL:**
 WIRE RANGE- 20 TO 1 AWG
 VOLTAGE RATING- 600 VOLTS
 CURRENT RATING-130 A FIELD WIRING;135A FACTORY WIRING
 CONTACT RESISTANCE-15 mOHM MAX
 INSULATION RESISTANCE- 10^9 OHMS MIN (500V DC)

SCALE 1:1
-3 AS SHOWN

199.00	180.00	12	1-1986715-2
184.00	165.00	11	1-1986715-1
169.00	150.00	10	1-1986715-0
154.00	135.00	9	1986715-9
139.00	120.00	8	1986715-8
124.00	105.00	7	1986715-7
109.00	90.00	6	1986715-6
94.00	75.00	5	1986715-5
79.00	60.00	4	1986715-4
64.00	45.00	3	1986715-3
49.00	30.00	2	1986715-2
DIM "B"	DIM "A"	POLE	PART NUMBER

RECOMMENDED PCB LAYOUT

Recommended PCB layout diagram showing dimensions and hole specifications:

- Mounting hole diameter: $\phi 5.5^{+0.1}_0$
- Pin hole diameter: $\phi 1.6^{+0.1}_0$
- Mounting hole offset: 3.1 ± 0.1
- Pin hole offset: 3.8 ± 0.1
- Pin pitch: 15 ± 0.1
- Mounting hole diameter: 11 ± 0.1
- Pin hole diameter: 12.5 ± 0.1
- Overall width: B

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DWN 13SEP2011

RAGHAVENDRA

CHK 13SEP2011

SARVER MICHAEL

APVD 13SEP2011

SARVER MICHAEL

PRODUCT SPEC

-

APPLICATION SPEC

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WEIGHT

-

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	\pm
1 PLC	± 0.25
2 PLC	± 0.20
3 PLC	\pm
4 PLC	\pm
ANGLES	$\pm 1^\circ$
FINISH	-

TE Connectivity

NAME
POWER TERMINAL BLOCK, DOUBLE PIN
MOUNTING FLANGES; PITCH 15.00 mm

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1986715	-

Customer Drawing SCALE 1:1 SHEET 1 OF 1 REV B1

1470-19 (3/11)

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