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ELECTRONICS

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Jameco Part Number 797654

.325" PCB Barrier Terminal Strip

Description

The series 70 PCB terminal strip is one of the most widely used terminal block products today. The .325" terminal pitch and the #6-32 screw offers the user excellent density and durability characteristics.

The terminal block is highly versatile, with options such as tri-barrier construction, true captive screws and a wide variety of terminal styles.

Made in the USA, all Beau terminal blocks embody the highest quality standards in the industry-using the finest materials and world class manufacturing processes. They meet or exceed all applicable industry standards.

Features

- **Strength and density**, the .325" pitch series 70 is our smallest product to use the #6-32 screw.
- **Robust and durable**, screw terminals are ultrasonically welded into the thermoplastic insulator, eliminating terminal twisting and associated solder joint failure.
- **Wide array of options**. Our series 70 product options can fulfill virtually any application demand. Only Beau gives you a captivated screw rated to a minimum 6 in-lbs. of back out torque.



PRODUCT RATINGS

#6-32 PAN HEAD SCREW

UL	Class B	15 Amps @ 300 V 14 AWG
	Class C	15 Amps @ 150 V 14 AWG
CSA	Class B	15 Amps @ 150 V 14 AWG
	Class D	10 Amps @ 300 V 14 AWG

#6-32 WIRE CLAMP SCREW

UL	Class B	20 Amps @ 300 V 12 AWG
	Class C	20 Amps @ 150 V 12 AWG
CSA	Class B	15 Amps @ 150 V 14 AWG
	Class D	10 Amps @ 300 V 14 AWG

AGENCY LISTINGS

UL	File No. E48521
	Guide No. XCFR2
CSA	File No. 025562

TECHNICAL SPECIFICATIONS

ELECTRICAL

DWV	8500 VDC
IR	>5000 Megohms

MECHANICAL

Tightening torque	12 in-lbs.
Maximum torque	13 in-lbs.
Wire strip length	5/16"
Wire range	12 to 22 AWG

ENVIRONMENTAL

Continuous Use Temp	
RTI electrical	110°C
RTI mechanical w/o impact	110°C

MATERIALS

Insulator	Thermoplastic, UL94V-0, black
Terminal	Brass, tin-lead plate
Screws	#6-32, phillips/slotted, steel, zinc chromate plate

OPTIONS

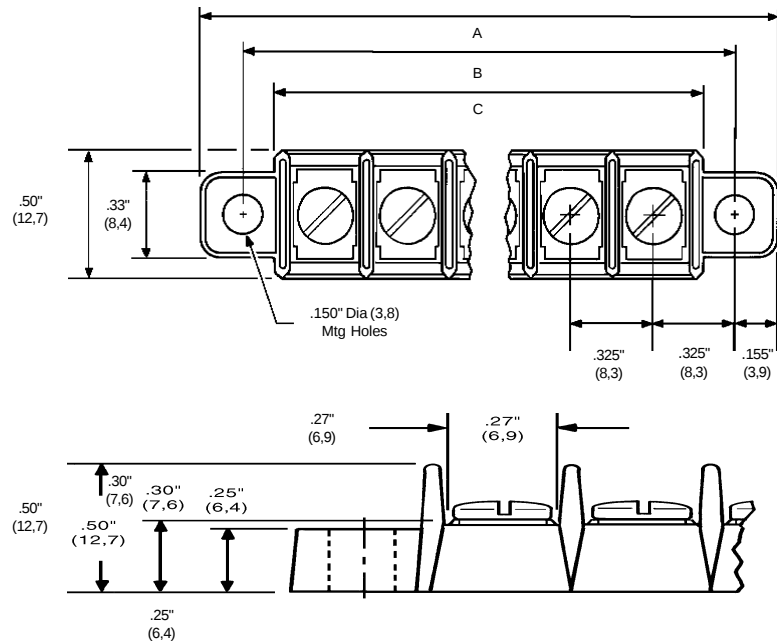
-45	Slotted screw
-47	Screws up, wire ready
-49	Brass, phillips/slotted screw
-50	Clamp washer, phillips/slotted screw
-58	No screws, barrier only
-59	Screws supplied unassembled
-88	Flat washer, posi-drive/slotted, 3,5mm
-C	No mounting ends
-P	.040" standoff pads
-T	Captive screws
-V	130°C insulator

HOW TO ORDER

7	0	X	X	X	X
SERIES	TERMINAL STYLE	NO. OF POLES	OPTIONS		
	1 5 7 8	2 to 30	(Dash #s above and opposite page)		

*Consult factory for combinations of screw options.

Molex Industrial Division
New England Operations
Gilford, NH 03246-6600
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Fax (603) 524-1627
Internet www.beauint.com



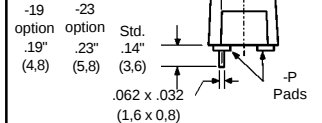
No. of Circuits	A		B		C	
	in.	mm	in.	mm	in.	mm
2	1.29	32,8	.98	24,9	.73	18,5
3	1.61	40,9	1.30	33,0	1.06	26,9
4	1.94	49,3	1.63	41,4	1.38	35,1
5	2.26	57,4	1.95	49,5	1.70	43,2
6	2.59	65,8	2.28	57,9	2.03	51,2
7	2.91	73,9	2.60	66,0	2.35	59,7
8	3.24	82,3	2.93	74,4	2.68	68,1
9	3.56	90,4	3.25	82,6	3.00	76,2
10	3.89	98,8	3.58	90,9	3.33	84,6
11	4.21	107	3.90	99,1	3.65	92,7
12	4.54	115	4.23	107	3.98	101
13	4.86	123	4.55	116	4.30	109
14	5.19	132	4.88	124	4.63	118
15	5.51	140	5.20	132	4.95	126
16	5.84	148	5.53	140	5.28	134
17	6.16	156	5.85	149	5.60	142
18	6.49	165	6.18	157	5.93	151
19	6.81	173	6.50	165	6.25	159
20	7.14	181	6.83	173	6.58	167
21	7.46	189	7.15	182	6.90	175
22	7.79	198	7.48	190	7.23	184
23	8.11	206	7.80	198	7.55	192
24	8.44	214	8.13	207	7.88	200
25	8.76	223	8.45	215	8.20	208
26	9.09	231	8.78	223	8.53	217
27	9.41	239	9.10	231	8.85	225
28	9.74	247	9.43	240	9.18	233
29	10.06	256	9.75	248	9.50	241
30	10.39	263	10.08	256	9.83	250

TERMINAL STYLES

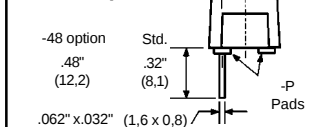
STYLE 1 No PC Terminal



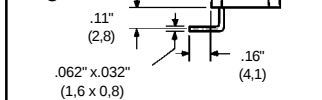
STYLE 5 PC



STYLE 7 Wire Wrap



STYLE 8 Right Angle PC



F

E

D

C

B

A

F

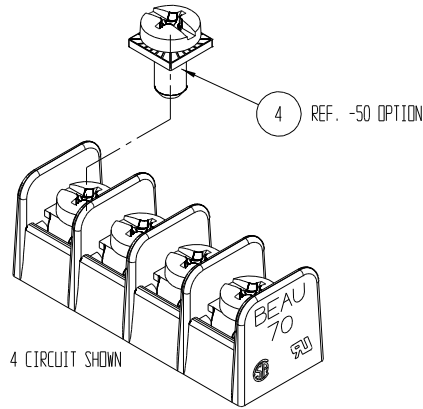
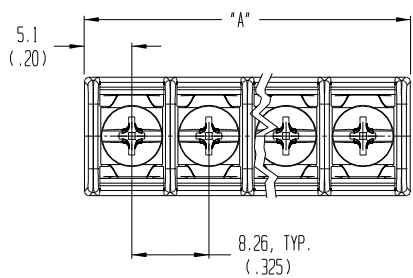
E

D

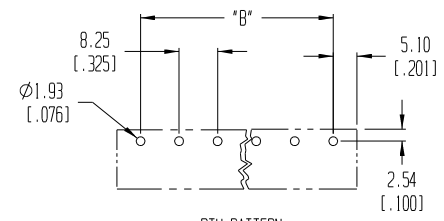
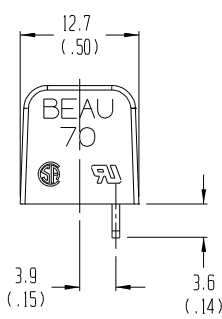
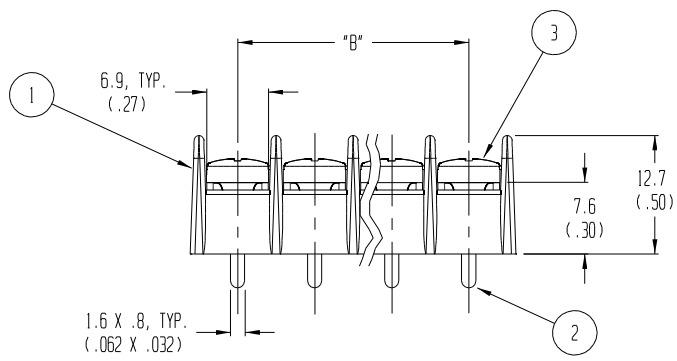
C

B

A



4 CIRCUIT SHOWN



- NOTES:
- 1. MATERIAL: SEE TABLE
 - 2. FINISHES: SEE TABLE
 - 3. PRODUCT SPECIFICATION: NOT REQUIRED
 - 4. PACKAGING: NOT REQUIRED
 - 5. MATES WITH: NONE
 - 6. "XX" REFERS TO THE QUANTITY OF CIRCUIT POSITIONS.

NUMBER OF CIRCUITS "XX"	DIM "A"	DIM "B"	STANDARD MATERIAL NO.	-50 OPTION MATERIAL NO.
02	18.5 (.73)	8.26 (.325)	387006302	387007502
03	26.9 (1.06)	16.51 (.650)	387006303	387007503
04	35.1 (1.38)	24.77 (.975)	387006304	387007504
05	43.2 (1.70)	33.02 (1.300)	387006305	387007505
06	51.2 (2.03)	41.28 (1.625)	387006306	387007506
07	59.7 (2.35)	49.53 (1.950)	387006307	387007507
08	68.1 (2.68)	57.79 (2.275)	387006308	387007508
09	76.2 (3.00)	66.04 (2.600)	387006309	387007509
10	84.6 (3.33)	74.30 (2.925)	387006310	387007510
11	92.7 (3.65)	82.55 (3.250)	387006311	387007511
12	101.0 (3.98)	90.81 (3.575)	387006312	387007512
13	109.2 (4.30)	99.06 (3.900)	387006313	387007513
14	117.5 (4.63)	107.32 (4.225)	387006314	387007514
15	125.7 (4.95)	115.57 (4.550)	387006315	387007515
16	134.0 (5.28)	123.83 (4.875)	387006316	387007516
17	142.2 (5.60)	132.80 (5.200)	387006317	387007517
18	150.5 (5.93)	140.34 (5.525)	387006318	387007518
19	158.8 (6.25)	148.59 (5.850)	387006319	387007519
20	167.0 (6.58)	156.85 (6.175)	387006320	387007520
21	175.3 (6.90)	165.10 (6.500)	387006321	387007521
22	183.5 (7.23)	173.36 (6.825)	387006322	387007522
23	191.8 (7.55)	181.61 (7.150)	387006323	387007523
24	200.0 (7.88)	189.87 (7.475)	387006324	387007524
25	208.3 (8.20)	198.12 (7.800)	387006325	387007525
26	216.5 (8.53)	206.38 (8.125)	387006326	387007526
27	224.8 (8.85)	214.63 (8.450)	387006327	387007527
28	233.0 (9.18)	222.89 (8.775)	387006328	387007528
29	241.3 (9.50)	231.14 (9.100)	387006329	387007529
30	249.6 (9.83)	239.40 (9.425)	387006330	387007530

4	"XX"	SCREW, #6-32, PAN HD, PH-SL, W/SQ WASHER	STEEL	ZN, CLEAR CHROMATE
3	"XX"	SCREW, #6-32, PAN HD, PH-SL	STEEL	ZN, CLEAR CHROMATE
2	"XX"	TERMINAL	BRASS	TIN
1	1	BARRIER	THERMOPLASTIC	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ECN# 3712
DRWN: CY 05-28-04

EC NO.
CH'K:
APPR:

B

DESCRIPTION
MAJOR
CRITICAL
SPEC
REV

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

4 PLACES	mm	INCH
3 PLACES	±.038	±.005
2 PLACES	±.13	±.01
1 PLACE	±.3	

ANGULAR: ±2°

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

DRAWN BY & DATE
R. KEMP 07-16-03

CHECKED BY & DATE
R. STONE 07-16-03

APPROVED BY & DATE
P. WALTZ 07-17-03

CAD FILENAME
705XX-C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

PROJECT NO. -
DIMENSIONS:

☒ mm INCH ☐ INCH mm ☐ mm ONLY

I
SHT

-
REV

REVISE ON
CAD ONLY

TITLE:
SR BTS ASSY, PC, NO MTG.

MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-38700-001

SHEET NO.
1 OF 1

SIZE
B