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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—		K3	REVISED PER ECO-10-021067	20OCT10	HMR	CR

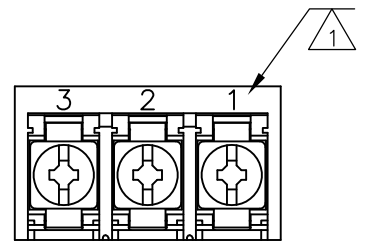


MATERIALS:
 HOUSING: THERMOPLASTIC, UL94V-0, BLACK.
 TERMINAL: BRIGHT TIN PLATED COPPER ALLOY.
 SCREWS: 8-32 ZINC PLATED STEEL.

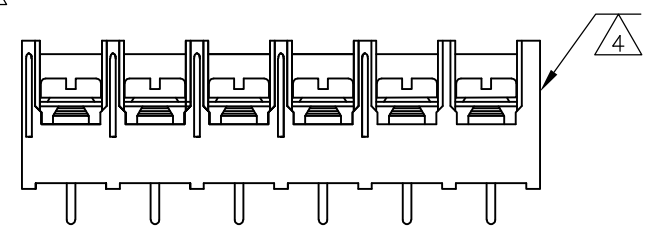
ELECTRICAL:
 CURRENT RATING: 30A
 VOLTAGE RATING: 600V
 WIRE RANGE: 10-18 AWG (UL)
 10-22 AWG (CSA)

MECHANICAL:
 RECOMMENDED TORQUE: 20 IN-LB
 OPERATING TEMP.: -40°C TO +120°C.

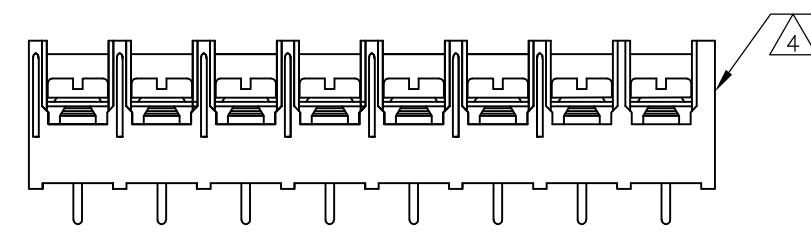
- 1 MARK WITH WHITE INK.
- 2 M4 THREAD IN TERMINAL, NO SCREWS INCLUDED.
- 3 ALL SCREWS TO BE BOTTOMED, EXCEPT AS NOTED.
- 4 SCREWS ON THIS ASSEMBLY WIRE READY.



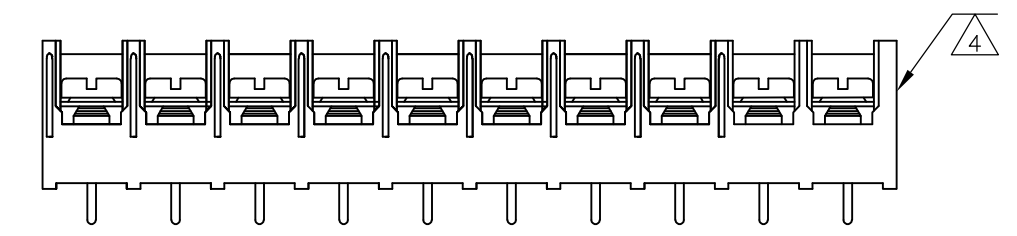
1546728-3



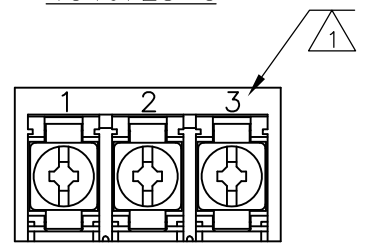
1986650-6



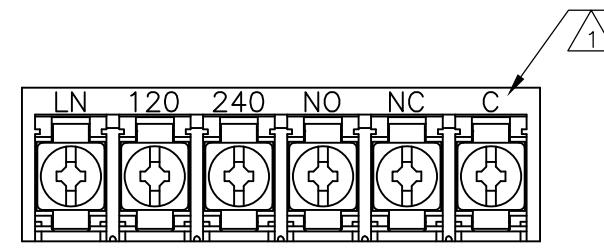
1986650-8



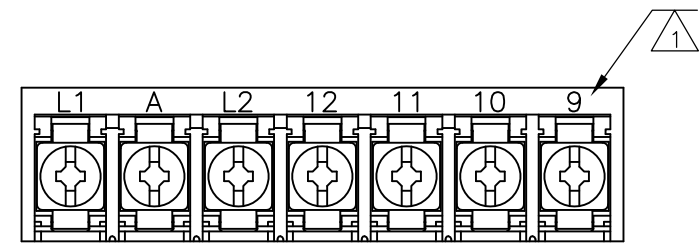
1-1986650-0



1546137-1



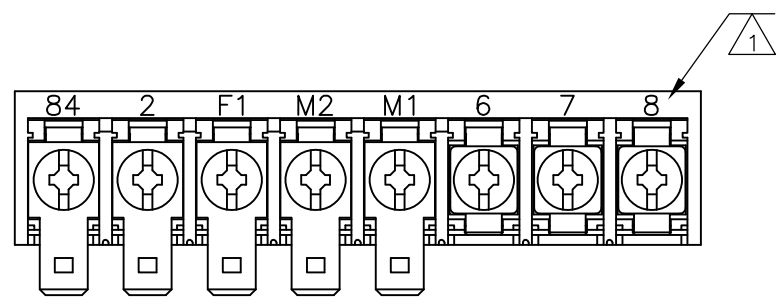
6-1546159-4



6-1546159-7



1546728-1



6-1546159-6

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DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± -
	1 PLC ± -
	2 PLC ± .02
	3 PLC ± .010
	4 PLC ± -
	ANGLES ± -
MATERIAL	FINISH
-	-

DWN S SCHLEGEL 5/15/03		Tyco Electronics Corporation	
CHK S YODER 5/15/03		Harrisburg, PA 17105-3608	
APVD S YODER 5/15/03	NAME	8PCV-XX-006 ASSEMBLY	
PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO
APPLICATION SPEC	A3	00779	C-6-1437657-3
WEIGHT	CUSTOMER DRAWING		RESTRICTED TO
	SCALE	SHEET	REV
	NTS	1 OF 2	K3

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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-

REV	DESCRIPTION	DATE	DWN	APVD		
2	-	.875	1.385	3	-	1546728-5
-	-	8.312	8.822	20	8PCV-20-006	8-1546159-2
-	-	7.875	8.385	19	8PCV-19-006	1546728-2
-	-	7.438	7.948	18	8PCV-18-006	7-1437658-2
-	-	7.000	7.510	17	8PCV-17-006	8-1546159-1
-	-	6.563	7.073	16	8PCV-16-006	6-1437658-6
-	-	6.125	6.635	15	8PCV-15-006	8-1437659-0
-	-	5.688	6.198	14	8PCV-14-006	6-1437658-0
-	-	5.250	5.760	13	8PCV-13-006	5-1437658-5
-	-	4.813	5.323	12	8PCV-12-006	4-1437658-5
-	-	4.375	4.885	11	8PCV-11-006	4-1437658-0
-	-	3.938	4.448	10	8PCV-10-006	3-1437658-3
-	SEE FIGURE	3.938	4.448	10	8PCV-10-050	1-1986650-0
-	-	3.500	4.010	9	8PCV-09-006	7-1546159-1
-	SEE FIGURE	3.063	3.573	8	8PCV-08-502	6-1546159-9
-	-	3.063	3.573	8	8PCV-08-006	2-1437658-1
-	SEE FIGURE	3.063	3.573	8	8PCV-08-050	1986650-8
-	SEE FIGURE	2.625	3.135	7	8PCV-07-598	6-1546159-7
-	-	2.625	3.135	7	8PCV-07-623	1-1437658-6
-	-	2.625	3.135	7	8PCV-07-006	1-1437658-1
-	SEE FIGURE	2.187	2.697	6	8PCV-06-050	1986650-6
-	SEE FIGURE	2.187	2.697	6	8PCV-06-050	1546728-1
-	SEE FIGURE	2.187	2.697	6	8PCV-06-538	6-1546159-4
-	-	2.187	2.697	6	8PCV-06-006	9-1437657-8
-	SUPERCEDED BY 8-1437657-8	1.750	2.260	5	8PCV-05-637	9-1437657-4
-	-	1.750	2.260	5	8PCV-05-006	8-1437657-8
-	SUPERCEDED BY 8-1437657-0	1.312	1.822	4	8PCV-04-636	8-1437657-3
-	-	1.312	1.822	4	8PCV-04-006	8-1437657-0
-	SEE FIGURE	.875	1.385	3	8PCV-03-662	1546728-3
-	SEE FIGURE	.875	1.385	3	8PCV-03-657	1546137-1
-	-	.875	1.385	3	8PCV-03-006	6-1437657-9
-	-	.437	.947	2	8PCV-02-006	5-1437657-7
-	-	.437	.947	2	8PCV-02-634	6-1437657-3
COMMENTS	DIM B	DIM A	NO OF POS	CATALOG NUMBER	PART NO	

SUPERCEDED BY 8-1437657-8

SUPERCEDED BY 8-1437657-0

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S SCHLEGEL 5/15/03	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: INCHES		CHK S YODER 5/15/03	Tyco Electronics	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD S YODER 5/15/03	NAME	
0 PLC ± -		PRODUCT SPEC	8PCV-XX-006 ASSEMBLY	
1 PLC ± -		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
2 PLC ± .02		WEIGHT	A3 00779 C-6-1437657-3	
3 PLC ± .010		CUSTOMER DRAWING	SCALE NTS SHEET 2 OF 2 REV K3	
4 PLC ± -				
ANGLES ± -				
FINISH				
MATERIAL				



Quick Reference Guide Barrier Strips

Barrier strip style terminal blocks from Tyco Electronics are available in 3 main categories: dual-barrier, tri-barrier, and double row. Each category of barrier strip is offered in several industry standard centerline spacings, allowing you to choose from high density to high current applications. Dual-barriers and Tri-Barriers are very similar in that they are both offered with hardware which allows them to be used in either PCB or panel mount applications.

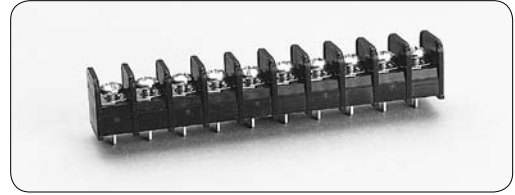
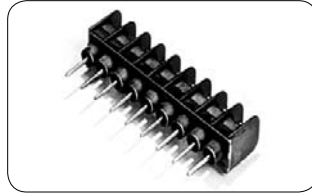
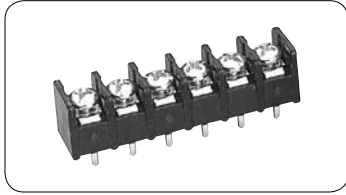
Features & Benefits

- Available in centerline spacing from 0.250"-0.4375"
- Position sizes 2 to 30
- Accepts wire range from 10-30 AWG dependant on style
- Full line of accessories includes jumpers, quick connect tabs, and some covers
- Binding head style and wire clamp screws are available; binding head screws are typically used with hardware such as QC tabs and jumpers.
- Wire screw clamps are best suited for bare wire applications.
- Common contact styles offered in both dual- and tri-barriers: PCB pin, extended PCB pin, insulated ext. PCB pin, wire wrap, insulated wire wrap, solder turret, ins. solder turret, quick connect, ins. quick connect and non feed-thru

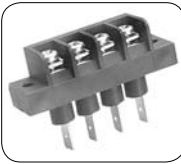
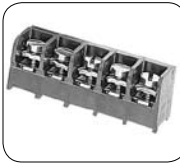
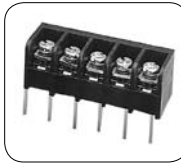
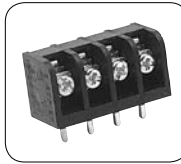
Product Applications

- Machine controls
- Power supplies
- Test & measurement
- Automation equipment
- Security/alarm devices
- HVAC controls
- Garage door openers
- Furnaces, water heaters, boilers

Barrier Strip Selector Chart



Dual-Barrier						
Series	3DB	4DB	4HR	JC6	NC6	SSB7
Centerline	.250"	.325"		.375"		.4375"
Circuits	2-30	2-30	2-16	2-16	2-30	2-27
Max Current	10A	20A	20A	20A	20A	20A
Max Voltage	300V	150V/300V	300V	300V	300V	600V
Wire Range (AWG)	16-30	14-22	12-22	12-22	12-22	12-22
Description	Molded to Length	Molded to Length	High Rise Molded to Length	Molded to Length	Low Rise Molded to Length	Molded to Length



Tri-Barrier								
Series	#3	#4	#4C	#6	#6C	BC6	MB6	#8
Centerline	.250"	.325"		.375"			.4375"	
Circuits	2-32	2-30	2-8	2-30	2-8	2-16	4-40	2-26
Max Current	10A	20A	15A	25A	15A	20A	25A	30A
Max Voltage	150-300V	150-300V	300V	300/600V	300V	300V	300V	600V
Wire Range (AWG)	18-22	12-22	14-22	12-22	14-22	12-22	12-22	10-18
Description	Molded to Length	Molded to Length	Molded to Length	Molded to Length	Molded to Length Modular	Molded to Length	Snapped to Length	Molded to Length



Double Row Barrier					
Series	1546306 1546307	1546670 1546671	1546310 1546311	1776544 1986158	
Centerline	.374"		.437"	.563"	
Circuits	2-30		2-26	2-18	
Max Current	20A		25A	30A	
Max Voltage	300V		300V	600V	
Wire Range (AWG)	12-22		14-22	10-22	
Description	Panel Mount, Molded to Length		Panel Mount, Molded to Length	Panel Mount, Molded to Length	

Barrier Strips Overview (Types of Strips and Sockets)

Dual-Barrier

Two walls or barriers are molded to each side of the terminal screw.



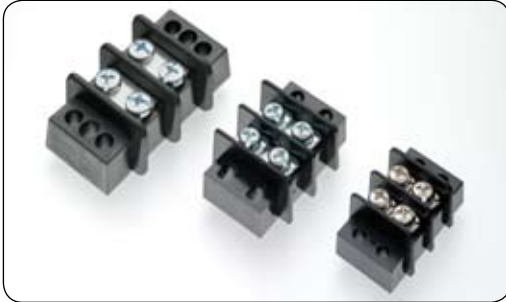
Tri-Barrier

Three walls or barriers surround each terminal screw. The back wall safeguards field wiring. Image below:

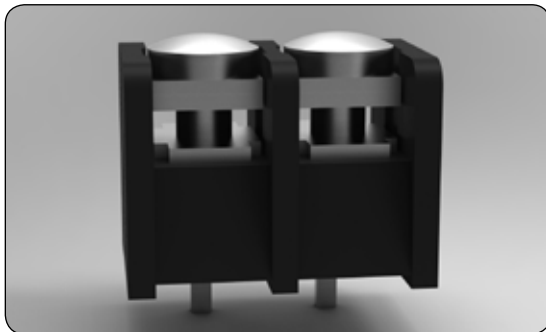


Double Row Barriers

Used in industrial controls and machine automation. Double row barriers are used in panel mount and wire-to-wire applications.



Captive Clamp (Clamping Plate)



The captive clamp is designed to accept multiple wires and wire gauges. With the captive clamp, you save time! No need to loop the wire, you just strip & screw down underneath the clamp. The clamp rides up and down with the screw.

Wire Clamp Screws

The lower surface and edges of the clamping plates are carefully designed to securely clamp the wire — with combinations of different wire sizes — without severing stranded wire. Extra care has been taken to produce these components without burrs on any critical clamping surface or edges.

Quality Plating

Tyco Electronics Corporation has been known for its plating, especially on the tin-plated components, and has maintained stringent plating specifications to provide a better performing, more reliable product.

Integral Standoffs

Standoffs help rid your PCB of any remaining corrosive agents during rinsing operations. Helps prevent trapped solutions in the immediate PC pin area. Significantly reduces the risk of postwave corrosion problems.

Gas-Tight Connections

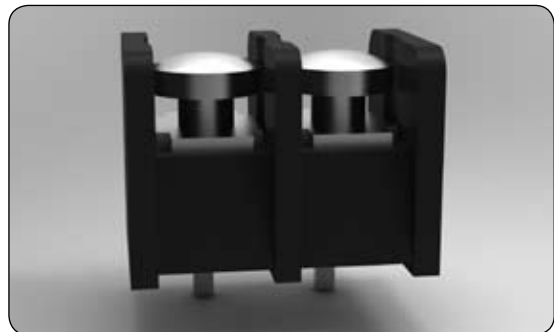
The acid-tin plating on your terminals means more than just improved shelf-life and superior solderability. It is to provide the very basis for the heart of your wire connections.

Customization

With the large number of hardware and contact options available, combined with various accessories, the barrier strip line can be customized for a wide variety of solutions for your PCB and panel mount applications.



Binding Head



The binding head is designed to accept a single stripped wire, looped under the screw head. The ideal use of the binding head is in conjunction with terminated wires and top side accessories (quick connects and jumpers).

VS.

Questions that will help you better select the product that you need:

Are you looking for a specific pin spacing?

Tyco Electronics offers barrier strips in both PCB and panel mount configurations on the most common centerline spacings ranging from 0.250"-0.4375".

Is your application for control wiring or for higher current power connections?

For control wiring, you may desire a higher density product such as # 3 Series Tri-Barrier or the 3DB dual-barrier. If you need a barrier strip UL up to 600 volts, then try looking at the SSB7 or #8 series products.

Would you like to use accessories such as flat, 45 degree or 90 degree quick connect tabs or jumper?

Tyco Electronics offers a wide range of accessories for each style of barrier strip. Often times these accessories are pre-installed at our factory for your convenience.

You may find these accessories at

www.tycoelectronics.com/products/barrierstrips

Does your application require the block to have special mounting features?

With the many styles of barriers available you will be able to find flat panel mounting versions as well as vertical and right angle through panel products.

FOR MORE INFORMATION

Technical Support

Internet:	www.tycoelectronics.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 470-4425
Mexico & Central America:	+52(0) 55-1106-0814
South America:	+55 (0) 11-2103-6000
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.tycoelectronics.com/leadfree

Tyco Electronics Corporation, Harrisburg, PA

tycoelectronics.com

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1-1773458-2 CIS LUG FP 3M 08/2010

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