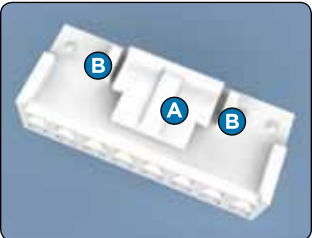


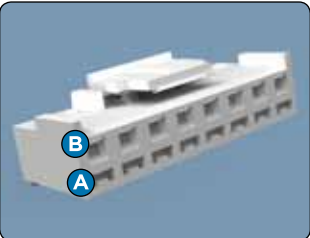
Electrical and Mechanical Specifications

Product	Pos	Current Rating	Centerline	Voltage Rating	Operating Temperature	Housing Rating	Wire Size
Economy Power (EP)	1-12	7.5	.156 (3.96)	250 VAC	-25°C to 105°C	UL 94V-0	18-22 AWG
Economy Power II (EP II)	2-12	11	.156 (3.96)	600 VAC	-55°C to 105°C	UL 94V-0	16-22 AWG
Economy Power 2.5 (EP 2.5)	2-20	3	.100 (2.50)	250 VAC	-55°C to 105°C	UL 94V-0	22-26 AWG

Housing Features



**A** : Positive audible latch on housing helps to ensure complete system mating and provides durability in high vibration applications. **B** : Anti-snag features prevent wires from snagging on the latch.

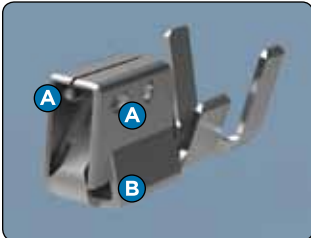


EP II Housing contains **A** window slots for continuity testing simultaneously with **B** contact back-out check.

Contact Features (EP II)

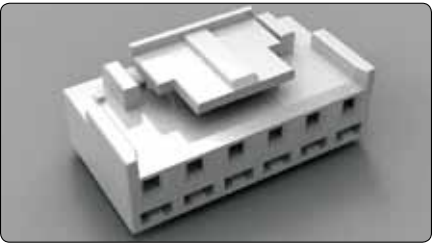


**A** : Lanceless contact design on EP II to ensure reliable contact seating

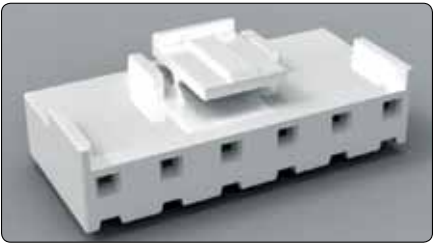


**A** : EP II additional points of contact for increased current rating. **B** : Asymmetrical design prevents mis-insertion.

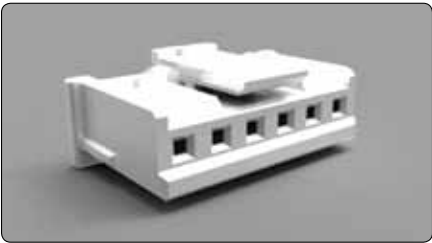
Housing\*



**2132781**  
.156 (3.96 mm) EP II Housing

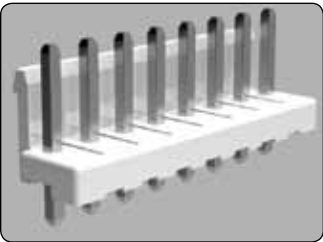


**1744036**  
.200 (5.0 mm) EP Housing

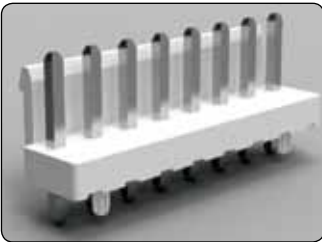


**2110992**  
.100 (2.5 mm) EP 2.5 Housing

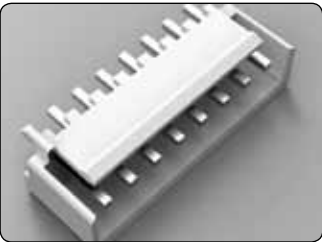
Headers\*



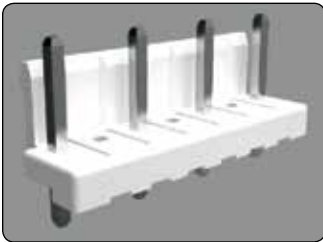
**1123723**  
.156 (3.96 mm) low profile header (EP and EP II)



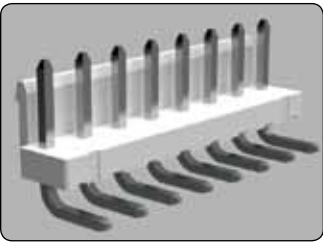
**1744057**  
.156 (3.96 mm) low profile post header w/ pegs (EP and EP II)



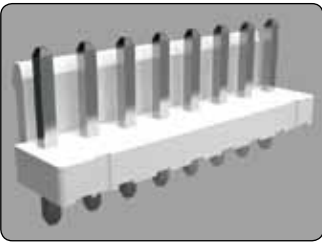
**1877285**  
.156 (3.96 mm) Vertical shrouded headers (EP and EP II)



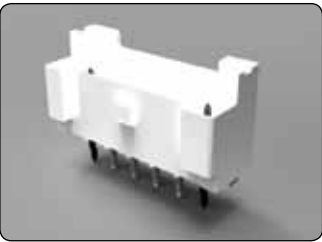
**1123724**  
.312 (7.92 mm) straight post header (EP)



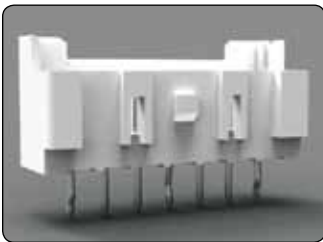
**647676**  
.156 (3.96 mm) right angle post header (EP and EP II)



**1744037**  
.200 (5.0 mm) straight post header (EP)



**2132230**  
.100 (2.5 mm) vertical shrouded header w/ boss (EP 2.5)



**2132415**  
.100 (2.5 mm) vertical shrouded header w/o boss (EP 2.5)

\*Base part numbers shown. See following page for specific part numbers.

## Economy Power 2.5 mm (EP 2.5)

.100 EP 2.5 CRIMP RECEPTACLE CONTACTS		
Phos Bronze, Pre-Tin	26-22 AWG	8000/reel 2110989-1

## Part Number Ordering : Example for X-2110992-Y Housing\*

-2 thru -9

Substitute dash number listed for "Y", therefore a -2 signifies PN 2110922-2

1- -0 thru 2- -0

Substitute first number for "X" and second number listed for "Y", therefore a 1- -2 signifies PN 1-2110922-2

\* Follow same numbering scheme throughout for other part numbers listed

.100 EP 2.5 PLUG HOUSINGS																				
Position size		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Housing	X-2110992-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	2- -0

.100 EP 2.5 VERTICAL SHROUDED HEADERS																				
Position size		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
With Boss	X-2132230-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	2- -0
Without Boss	X-2132415-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	2- -0

## Economy Power (EP) and EP II

.156 ECONOMY POWER CRIMP, RECEPTACLE CONTACTS, BREAKAWAY TPA DEVICE						
	Material/Finish	Wire Size	Strip Form	Loose Piece	TPA	TPA Type
Economy Power	Phos Bronze,Pre-Tin	18-22 AWG	1123721-1	1318912-1	NA	NA
	Brass,Pre-Tin	18-22 AWG	1123721-2	1318912-2	NA	NA
Economy Power II	Phos Bronze,Pre-Tin	18-22 AWG	1744144-1	1744395-1	1-2132782-2	12 Pos Breakaway
		16-20 AWG	1744201-1	1744396-1		

.156 ECONOMY POWER LOW-PROFILE PLUG HOUSINGS												
Position size		2	3	4	5	6	7	8	9	10	11	12
Economy Power	X-1123722-Y	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	1- -1	1-647690-2
Economy Power II	X-2132781-Y	2132813-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2

.156 ECONOMY POWER STRAIGHT LOW-PROFILE HEADERS								Note : Additional colors available upon request				
Position size		2	3	4	5	6	7	8	9	10	11	12
Bulk Pack	X-1123723-Y	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	1- -1	1-647689-2
Tube Loaded	X-1318300-Y	1- -2	1- -3	1- -4	1- -5	1- -6	1- -7	1- -8	1- -9	1- -0	1- -1	--
Bulk with Pegs	X-1744057-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2
Bulk, High Temperature	X-1744055-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	--
Vertical Shrouded	X-1877285-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2

.156 ECONOMY POWER RIGHT-ANGLE LOW-PROFILE POST HEADERS											Note : Additional colors available upon request.	
Position size		2	3	4	5	6	7	8	9	10	11	12
Bulk Pack	X-647676-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2
Bulk, High Temperature	X-1744056-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2

.312 ECONOMY POWER STRAIGHT POST HEADERS										Note : Additional colors available upon request.		
Position size		2	3	4	5	6	7	8	9	10	11	12
Bulk Pack	X-1123724-Y	1- -2	1- -3	1- -4	1- -5	1- -6	--	--	--	--	--	--
Tube Loaded	X-1318301-Y	1- -2	1- -3	1- -4	1- -5	--	--	--	--	--	--	--

.200 ECONOMY POWER PLUG HOUSINGS								Note : Additional colors available upon request.				
Position size		2	3	4	5	6	7	8	9	10	11	12
Economy Power	X-1744036-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2

.200 ECONOMY POWER POST HEADERS											Note : Additional colors available upon request.	
Position size		2	3	4	5	6	7	8	9	10	11	12
Straight	X-1744037-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2
Right angle	X-1744048-Y	-2	-3	-4	-5	-6	-7	-8	-9	1- -0	1- -1	1- -2

## Frequently asked questions

### Do I need new tooling to change from EP to EP II housings?

No. The same tooling is used for EP and EP II.

### Is TE's EP 2.5 intermateable with competitors product?

Yes. Our EP 2.5 connectors are intermateable to similar competitive products for retrofit applications

### Is EP, EP II and EP 2.5 available in colors?

Yes. All of these are available in multiple colors.

### What if I have additional product questions?

We've got answers when you need them! You can contact Product Information Specialists by e-mail, telephone or live chat. English, German and Chinese speaking Product Information Specialist are available, providing you with the technical assistance you require.

## FOR MORE INFORMATION

### TE Technical Support Center

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Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
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Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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\*as defined [www.te.com/leadfree](http://www.te.com/leadfree)

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