



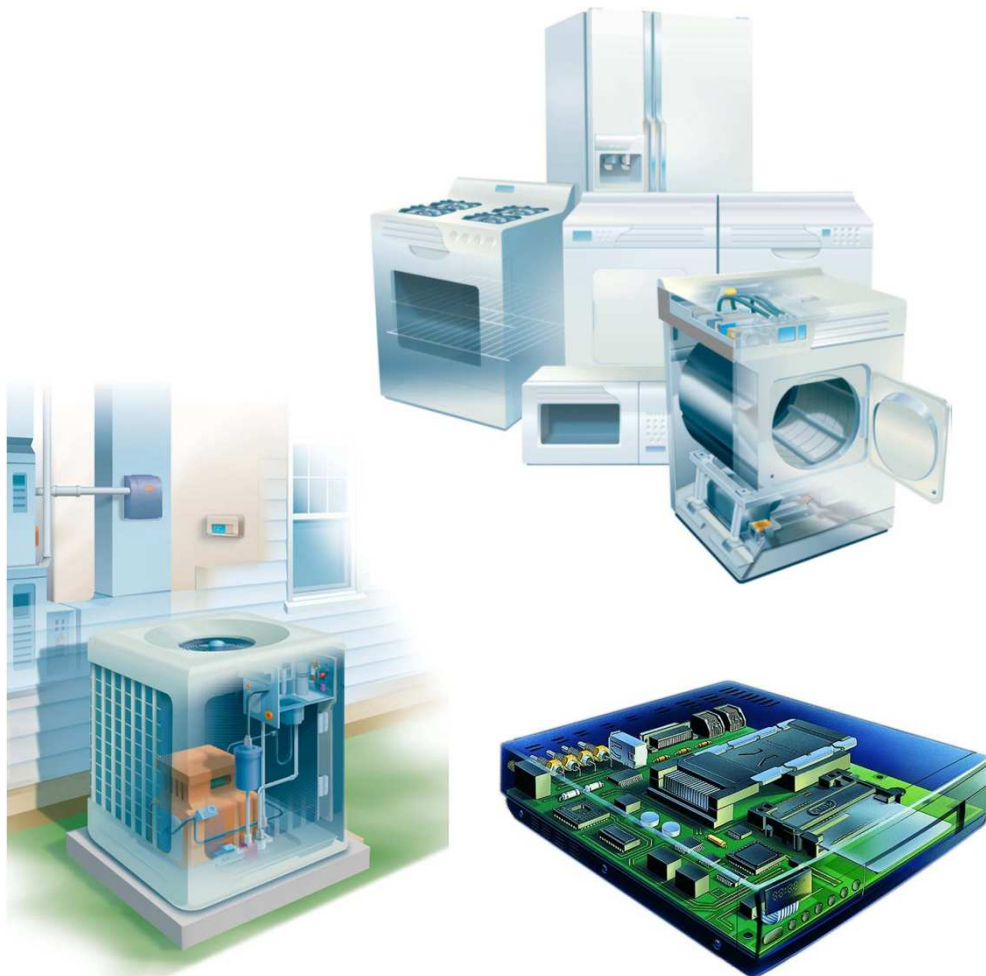
Introducing Economy Power 2.5

(EP 2.5)

EVERY CONNECTION COUNTS



Target Markets



Appliance Industry: Cooking, Refrigeration, Dishwashers, etc.

HVAC Controls

Garage Door Openers

Lighting

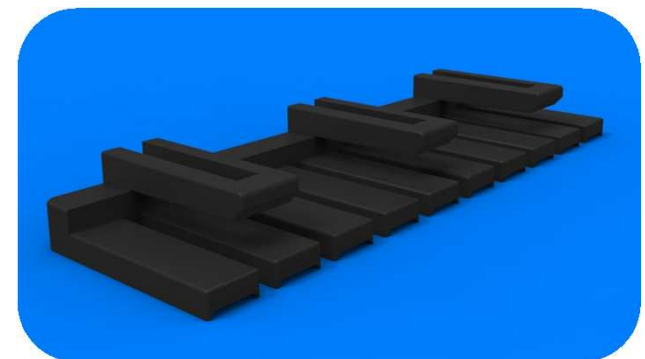
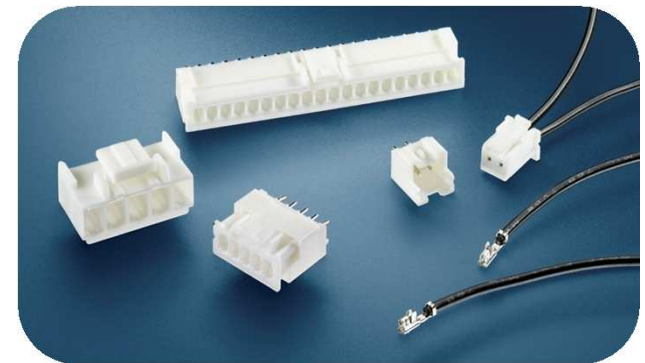
Vending Machines

Discrete Wire to Board Application

Anywhere You Need To Bring Power And Signal To A Board

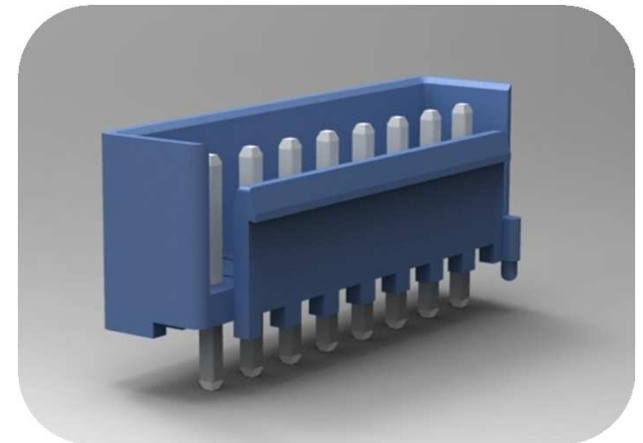
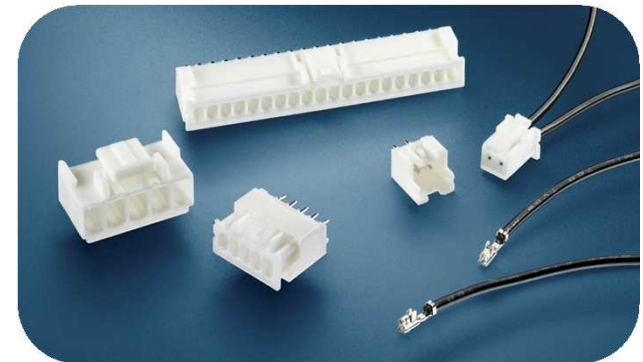
Connector System Overview

- Single-row Economy Power 2.5 connectors comprised of newly designed plug housings, TPA device, terminal contact and headers, based on a 2.5 mm (0.098") centerline
- 2-20 Position Wire-to-Board Connector System for discrete wires AWG 20-26
- 2.5 mm (0.098") Centerline Pitch
- 250-Volt – Industry leading 4.5-Amp Contact Rating
- Vertical and Right-Angle Shrouded Headers
- Molded TPA Device to Help Prevent Terminal Back-outs
- -55 to 105° Celsius Operating Temperature
- Inter-mateable to Competitive Products (JST-XA)
- Tin-Plated Terminal with Anti-Fretting Lube



Additional Features

- Positive Audible External Locking Latch to help Ensure Complete System Mating
- Polarization Tabs Help Prevent mismating with Corresponding Header
- Anti-Snag Feature Help Prevent Wire from Snagging on Connector Latch
- Asymmetrical Terminals Can Only be Loaded One Way in Housing
- Ergonomically Designed with Rounded Edges
- UL 94V-0 rated Nylon (natural white)
- Color Housings Available Upon Request
- Glow Wire Resin Material Option Available



Part Number Details

- TPA Plug Housings
 - UL 94 V-0: x-1969442-y for 2 thru 2- -0 position (2 thru 20 position)
 - GLOW WIRE: x-1744417-y for 2 thru 2- -0 position (2 thru 20 position)
- Vertical Headers
 - With Alignment Boss: x-2132230-y for 2 thru 2- -0 position (2 thru 20 position)
 - Without Board Alignment Boss: x-2132415-y for - 2 thru 2- -0 position (2 thru 20 position)
 - GLOW WIRE with Alignment Peg: x-1744418-y for 2 thru 2- -0 position (2 thru 20 position)
 - GLOW WIRE without Alignment Peg: x-1744439-y for 2 thru 2- -0 position (2 thru 20 position)
- Right Angle Headers
 - UL 94 V-0: x-1744426-y for 2 thru 2- -0 position (2 thru 20 position)
 - GLOW WIRE: x-1744446-y for 2 thru 2- -0 position (2 thru 20 position)
- TPA Retainer
 - x-1969443-y for 2 thru 2- -0 position (2 thru 20 position)
- Contact 22-26 AWG – 2110989-1
- Contact 20-24 AWG – 1744423-1

Part Number Detail Example for x-1969442-y

-2 thru -9: Substitute dash number listed for “y”, therefore a -2 signifies PN 1969442-2 (2-position)

1- -0 thru 2- -0: Substitute first number listed for “x” and the second number for “y”, therefore a 2- -0 signifies PN 2-1969442-0 (20-position)

Cross Reference

Receptacle Housing			Terminal Position Assurance (TPA)			Vertical Shrouded Header w/boss		
TE PN	JST PN	Lines	TE PN	JST PN	Lines	TE PN	JST PN	Lines
1969442-2	XARP-02V	2	1969443-2	XMS-02V	2	2132230-2	B02B-XASK-1-A	2
1969442-3	XARP-03V	3	1969443-3	XMS-03V	3	2132230-3	B03B-XASK-1-A	3
1969442-4	XARP-04V	4	1969443-4	XMS-04V	4	2132230-4	B04B-XASK-1-A	4
1969442-5	XARP-05V	5	1969443-5	XMS-05V	5	2132230-5	B05B-XASK-1-A	5
1969442-6	XARP-06V	6	1969443-6	XMS-06V	6	2132230-6	B06B-XASK-1-A	6
1969442-7	XARP-07V	7	1969443-7	XMS-07V	7	2132230-7	B07B-XASK-1-A	7
1969442-8	XARP-08V	8	1969443-8	XMS-08V	8	2132230-8	B08B-XASK-1-A	8
1969442-9	XARP-09V	9	1969443-9	XMS-09V	9	2132230-9	B09B-XASK-1-A	9
1-1969442-0	XARP-10V	10	1-1969443-0	XMS-10V	10	1-2132230-0	B10B-XASK-1-A	10
1-1969442-1	XARP-11V	11	1-1969443-1	XMS-11V	11	1-2132230-1	B11B-XASK-1-A	11
1-1969442-2	XARP-12V	12	1-1969443-2	XMS-12V	12	1-2132230-2	B12B-XASK-1-A	12
1-1969442-3	XARP-13V	13	1-1969443-3	XMS-13V	13	1-2132230-3	B13B-XASK-1-A	13
1-1969442-4	XARP-14V	14	1-1969443-4	XMS-14V	14	1-2132230-4	B14B-XASK-1-A	14
1-1969442-5	XARP-15V	15	1-1969443-5	XMS-15V	15	1-2132230-5	B15B-XASK-1-A	15
1-1969442-6		16	1-1969443-6		16	1-2132230-6		16
1-1969442-7		17	1-1969443-7		17	1-2132230-7		17
1-1969442-8	XARP-18V	18	1-1969443-8		18	1-2132230-8		18
1-1969442-9		19	1-1969443-9		19	1-2132230-9		19
2-1969442-0		20	2-1969443-0		20	2-2132230-0		20

Application Tooling, Specifications & Key Contacts

- Application Tooling
 - AMP-O-LECTRIC Model “G” Termination Machine: [Applicator 1530232-3](#)
 - AMP-O-LECTRIC Model “K” Termination Machine: [Applicator 1530232-2](#)
 - Lead Making Machine: [Applicator 1530232-1](#)
 - Other Tooling Available – Contact Tooling Assistance Center
- Specifications
 - Product Specification: 108-2418
 - Application Specifications: 114-13315
 - UL Recognized File Number: E28476
 - CSA Certification File Number: E28476
- MARCOM
 - Economy Power Quick Reference Guide: 7-1773458-5
 - Economy Power 2.5 Data Sheet: 7-1773461-6
 - Economy Power Catalog: 82056
- Key Contacts
 - AMER: Steve Cerquone and Jim Dunbar
 - EMEA: Pier Eugenio Grassanno
 - AP: Ocean Zhou

Additional Information Available

- TE Connectivity Landing Pages
 - MTA-100: www.te.com/products/mta100
 - MTA-156: www.te.com/products/mta156
 - CST-100: www.te.com/products/cst100
 - SL-156: www.te.com/products/sl156
 - Economy Power (EP, EP II, and EP 2.5):
www.te.com/products/ep
- TE Connectivity E-Catalog
 - Part Number Details
 - Customer View Models
 - Sample Requests
 - Product Specifications
 - Product Catalogs
 - Application Specifications



Catalog 82056

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