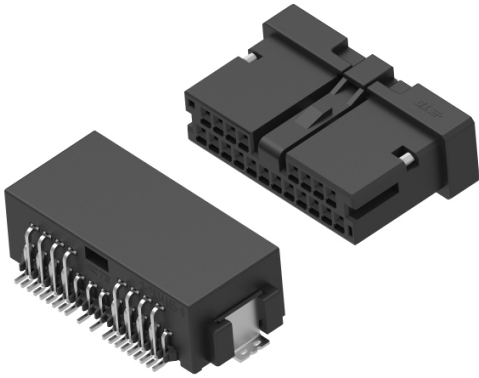




DYNAMIC MINI SERIES

Dynamic Mini Series connectors for signal transmission on PCB have a lower profile than existing Dynamic D1000, which providing extra valuable space on the board. Dynamic Series connectors perform to LV 214 test requirements. A positive audible locking feature makes life easier for service engineers carrying out installation and maintenance in the field. Housings in high-temperature nylon permit reflow soldering, speeding up system assembly therefore saving on total cost. High reliability comes from the high retention force that the new connectors exhibit between the contact and the housing, thanks to their “second lock” design.

Applications are getting smaller and smaller. However, the requirements of the application will remain the same or increase. The Mini Dynamic Series will be smaller in size but offers the same performance as existing bigger alternatives.

The protective latching concept helps to avoid accidental unlatching with a transitional sinking surface. This is one of the features that supports the low profile of this product.

BENEFITS

- Higher reliability due to second lock design and protective latch concept
- Space saving on board due to low profile
- Faster system assembly due to SMT reflow capability
- High pin count flexibility from 12 up to 44 positions
- X and Y Codings available for no mix-match

Dynamic Mini Series

APPLICATIONS

- New Energy Storage BESS
- Automotive Battery Module connection
- Machinery automation
- Robotics
- HMI
- Servo drives
- Process controllers

MECHANICAL

- Pitch: 1.80mm
- Durability: 30 cycles
- Position: 12, 16, 20, 24, 28, 32, 36, 40 and 44
- Operating temperature: -40~125°C
- Mechanical codings: X and Y codings

SPECIFICATIONS

- [108-137443](#)
- [114-137526](#)
- [114-137527](#)
- [108-137526](#)

ELECTRICAL

- Rated current: 3A
- Rated voltage: 250V AC / 125V AC
- Withstand voltage: 650V AC
- AWG: 22 / 24 / 26

MATERIALS

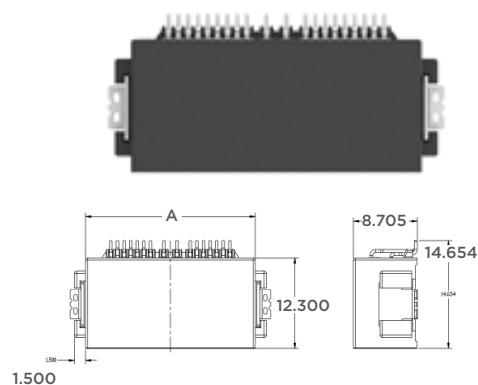
- Contact: Copper alloy
- Plating: Tin over nickel
- HDR housing: Nylon with UL94 V0 Flammability rating
- Rec housing: PBT
- Spacer: PBT
- Solder peg: Copper alloy

STANDARD

- UL 1977
- LV 214

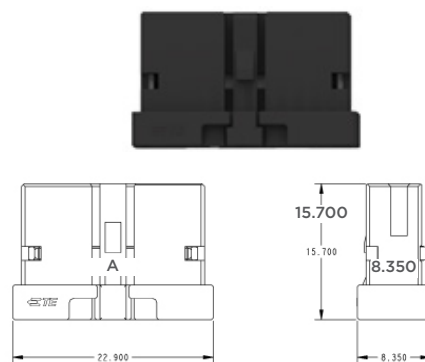
PRODUCT SELECTION INFORMATION – HEADER SIDE *

Pitch	Position	Header - Horizontal Type	
		Part Number	DIM A
1.80	12	1-2834465-2	19.50
	16	1-2834465-6	23.10
	20	2-2834465-0	26.70
	44	4-2834465-4	48.30



PRODUCT SELECTION INFORMATION – RECEPTACLE SIDE *

Pitch	Position	Receptacle Housing	
		Part Number	DIM A
1.80	12	1-2834461-2	19.30
	16	1-2834461-6	22.90
	20	2-2834461-0	26.50
	44	4-2834461-4	48.10



*see further position on next page

Dynamic Mini Series

PRODUCT SELECTION INFORMATION - RECEPTACLE SIDE TERMINAL

Pitch	Part Number	Receptacle Side Contact	
		Nominal Cross-Section	Insulation DIA
1.80	2834464-5	0.13-0.17 mm ²	0.85-1.10 mm
	2834464-6	0.22-0.35 mm ²	0.95-1.30 mm

- All dimensions are in mm.

EXTRACTION TOOL

Part Number	Part Description
2834501-1	Mini dynamic release tool



Positions	Key	Part Numbers	
		Header	Receptacle
12	X	1-2834465-2	1-2834461-2
	Y	1-2834499-2	1-2834497-2
16	X	1-2834465-6	1-2834461-6
	Y	1-2834499-6	1-2834497-6
20	X	2-2834465-0	2-2834461-0
	Y	2-2834499-0	2-2834497-0
24	X	2-2834465-4	2-2834461-4
	Y	2-2834499-4	2-2834497-4
28	X	2-2834465-8	2-2834461-8
	Y	2-2834499-8	2-2834497-8
32	X	3-2834465-2	3-2834461-2
	Y	3-2834499-2	3-2834497-2
36	X	3-2834465-6	3-2834461-6
	Y	3-2834499-6	3-2834497-6
40	X	4-2834465-0	4-2834461-0
	Y	4-2834499-0	4-2834497-0
44	X	4-2834465-4	4-2834461-4
	Y	4-2834499-4	4-2834497-4

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