

FORGE DRAWER CONNECTORS

Modular Power Interconnects

Mechanical

- Insertion force (max): 16.8N
- Extraction force (max): 10.6N
- Operating temperature: -40°C to 105°C
- Durability: 250 cycles minimum

Electrical

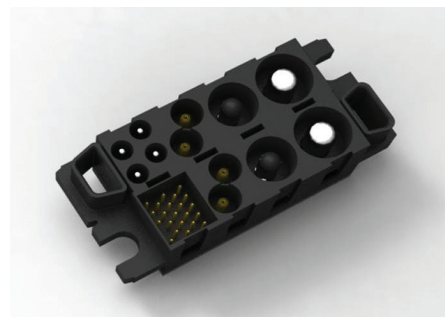
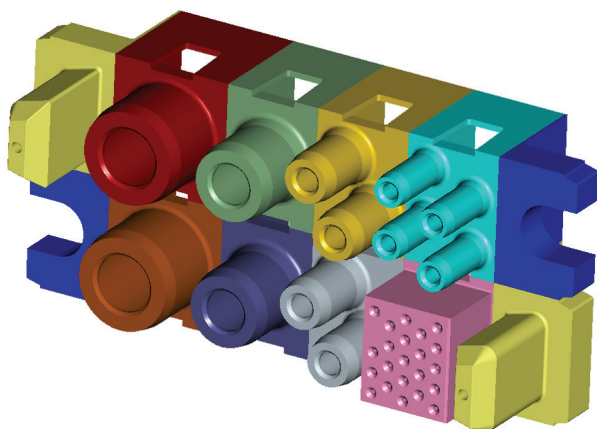
- Current rating: refer to Figure 1 of Product Specification
- Temperature rise vs current: 30°C and 50°C maximum T-rise at specified current
- Voltage rating, size #22 signal contacts: 50V AC
- Voltage rating, power contacts: 250V AC
- Higher voltage configurations available - contact TE for details
- Insulation Resistance: 5000 MΩ minimum

Specifications

Application Specification # 114-13299

Product Specification # 108-2323

Product example with all five module types



Key Features

Greater modularity supports evolving design trends

- TE offers the broadest portfolio
- Available configurations include 2x2 through 2x5, as well as a 1x5 configuration
- In each module, any one of the five different contact types can be used, ranging from very high power (size #0) to signal contacts (size #22)

Cost efficient design saves time and money

- New size #0 and size #4 touch-proof pin contact designs
- No need to waste time and money on new tooling or lead time for new parts

Ability to use existing tooling and contacts makes it easy to use

- Leverage existing infrastructure of application tooling that is widely deployed throughout the market
- Compatible -- used with existing and commonly used contacts

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FORGE Drawer Assembly Configurations

CONFIGURATION	MODULAR ASSIGNMENT	TYPE	PART NUMBER
1x5	single row = 0,0,0,0,0	Pin Housing	2212282-1
		Socket Housing	2212284-1
2x2	lower row = 4,4 upper row = 4,4	Pin Housing	2212243-1
		Socket Housing	2212245-1
2x3	lower row = 0,0,0 upper row = 0,0,0	Pin Housing	2212254-1
		Socket Housing	2212256-1
2x3	lower row = 4,12,22 upper row = 4,12,12	Pin Housing	2212174-1
		Socket Housing	2212173-1
2x3	lower row = 0,0,22 upper row = 0,0,22	Pin Housing	2212305-1
		Socket Housing	2212307-1
2x3	lower row = 4,4,4 upper row = 4,4,4	Pin Housing	2212309-1
		Socket Housing	2212311-1
2x4	lower row = 0,4,4,22 upper row = 0,4,4,12	Pin Housing	2212320-1
		Socket Housing	2212327-1
2x4	lower row = 4,22,4,4 upper row = 4,22,4,4	Pin Housing	2212290-1
		Socket Housing	2212292-1
2x4	lower row = 4,4,4,12 upper row = 4,4,4,12	Pin Housing	2212367-1
		Socket Housing	2212369-1
2x5	lower row = 0,0,0,4,8 upper row = 0,0,0,4,4	Pin Housing	2212172-1
		Socket Housing	2212171-1
2x5	lower row = 0,0,0,4,12 upper row = 0,0,0,4,4	Pin Housing	2212329-1
		Socket Housing	2212331-1
2x5	lower row = 0,4,4,8,12 upper row = 0,4,4,8,12	Pin Housing	2212250-1
		Socket Housing	2212252-1
2x5	lower row = 0,4,8,12,22 upper row = 0,4,8,12,22	Pin Housing	2212339-1
		Socket Housing	2212341-1
2x5	lower row = 0,0,0,4,4 upper row = 0,0,0,4,4	Pin Housing	2212170-1
		Socket Housing	2212169-1
2x5	lower row = 0,0,22,4,4 upper row = 0,0,22,4,4	Pin Housing	2212293-1
		Socket Housing	2212295-1
2x5	lower row = 0,0,8,8,22 upper row = 0,0,8,8,22	Pin Housing	2212301-1
		Socket Housing	2212303-1

Contacts

SIZE	TYPE	DESCRIPTION	PART NUMBER
Size 0	Pin	Standard, Crimp Termination	1766811-1
Size 0	Pin	Probe-proof, Crimp Termination	2212374-1
Size 0	Socket	Standard, Crimp Termination	6648405-1
Size 4	Pin	Standard, Crimp Termination	1766232-1
Size 4	Pin	Post-Mate, Crimp Termination	2212216-1
Size 4	Pin	Probe-proof, Crimp Termination	2212372-1
Size 4	Socket	Standard, Crimp Termination	6648434-1
Size 8	Pin	.125 POWERBAND Pin, Standard	213840-8
Size 8	Pin	.125 POWERBAND Pin, Pre-Mate	1-213840-0
Size 8	Socket	.125 POWERBAND Socket	213843-7
Size 12	Pin	Crimp, Standard	1766193-1
Size 12	Pin	Crimp, Pre-Mate	1766195-1
Size 12	Pin	Crimp, Post-Mate	1766196-1
Size 12	Socket	Crimp	6648318-1
Size 12	Socket	Hot-Plug Crimp	1648384-1
Size 22	Pin	HDP-22 crimp-snap pin	1658670-2
Size 22	Socket	HDP-22 crimp-snap socket	1658686-2