

84-Termination DSX-1 Panels — E84

Front Cross-Connect, Wire-Wrap or Connectorized I/O

Overview

Telect's E84 DSX-1 incorporates several innovative features to simplify usage and maintenance, while providing a reliable platform for cross-connecting T1 signals.

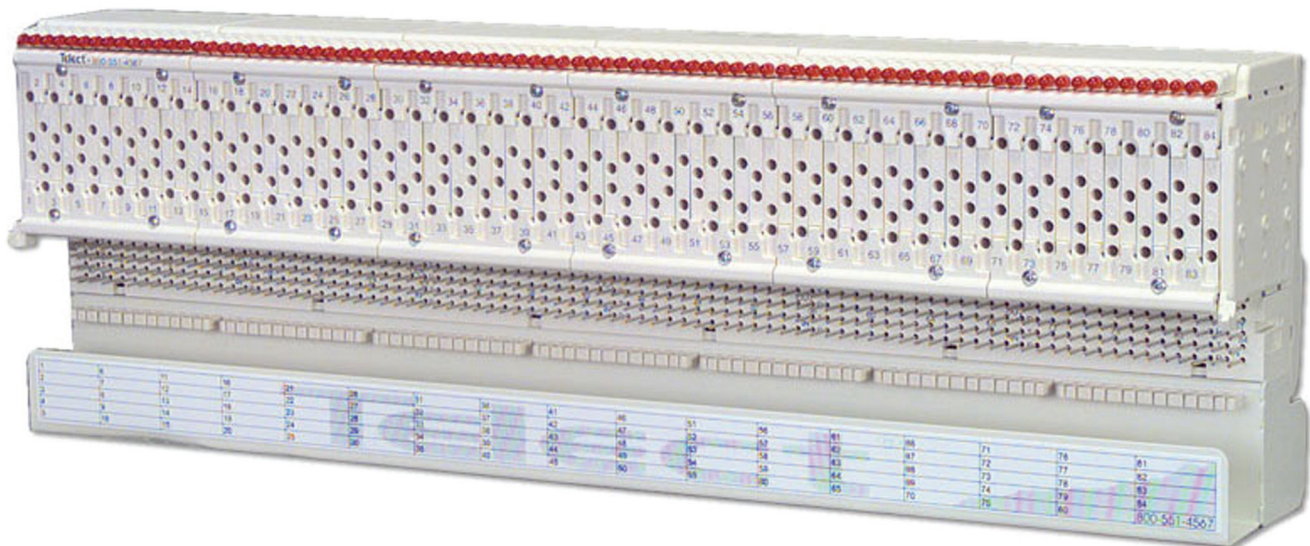
Panels are available with traditional wire-wrap I/O fields or in 64-pin connectorized configurations for quicker connections and startup. Panel heights include all industry standards — 5.25", 6" and 7".

Applications

- High-density central office bay lineups
- Individual panels in remote and CPE applications

Primary Benefits

- Offset Bantam jacks allow the use of all standard patch cords for all DSX functions
- Insert molded jack frames provide a stronger, more durable construction than clamshell-style jacks
- Single-circuit removable jacks enable jack maintenance without disrupting other circuits or requiring any I/O cabling changes
- One-half the weight of traditional panels to significantly reduce shipping costs and ease installation, while reducing floor loading
- Fanning strips, multiple cable ring options and a rear tie-down bar help manage jumpers and I/O cable
- Multiple mounting options as well as several ring size choices create a versatile panel for various environments
- All panels include red LEDs
- NEBS 3 certified and backed by Telect's DSX lifetime warranty



E84, Front View

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Ordering Information

Description	Part Number	Dimensions	Weight
84-term. panel, 5.25" H, wire-wrap	E84A	23" W x 5.25" H x 4" D (584 mm x 133 mm x 102 mm)	11.5 lbs (5.2 kg)
84-term. panel, 6" H, wire-wrap	E84B	23" W x 6" H x 4" D (584 mm x 152 mm x 102 mm)	11.5 lbs (5.2 kg)
84-term. panel, 7" H, wire-wrap	E84	23" W x 7" H x 4" D (584 mm x 178 mm x 102 mm)	11.5 lbs (5.2 kg)
84-term. panel, 5.25" H, connectorized	E84C5	23" W x 5.25" H x 5.25" D (584 mm x 133 mm x 133 mm)	12.5 lbs (5.7 kg)
84-term. panel, 6" H, connectorized	E84C6	23" W x 6" H x 5.25" D (584 mm x 152 mm x 133 mm)	12.5 lbs (5.7 kg)
84-term. panel, 7" H, connectorized	E84C7	23" W x 7" H x 5.25" D (584 mm x 178 mm x 133 mm)	12.5 lbs (5.7 kg)

DSX Jack Specifications

Test Method

Dedicated Digital Jack	Unless otherwise specified, all appropriate products are tested under MIL-J-641, method 202F
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Electrical

Insertion loss	< -0.5 dB (at 1.576 MHz)
Crosstalk	< -60 dB
Return loss	< -26 dB at 772 kHz
Monitor level	21 dB +/-1.5 dB below signal level
Contact resistance	< 0.01 ohms
Characteristic impedance	100 ohms

Mechanical

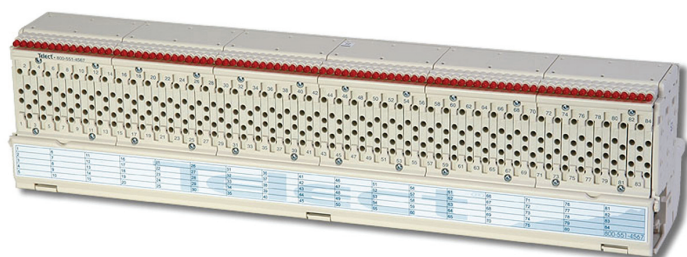
Insertion force	4.17 lb (1.9 kg) average
Withdrawal force	5.21 lb (2.4 kg) average
Life	Minimum 20,000 insertion/withdrawal cycles
Vibration	Per MIL-STD-202F, method 201A

Environmental

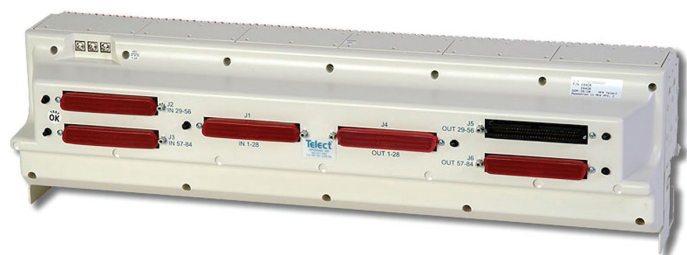
Salt spray	Per MIL-STD-202F, method 101D
Moisture resistance	Per MIL-STD-202F, method 106E
Thermal limits	-40 to 149°F (-40 to 65° C) operating -67 to 185°F (-55 to 85° C) non-operating
Thermal shock	Per MIL-STD-202, method 107D
Humidity	0 to 95% operating and non-operating

Accessories

Description	Part Number
Single conductor Blue Nickel™ patch cord	040-1000-xxx (xxx=feet)
Dual conductor Blue Nickel™ patch cord	040-2000-xxx (xxx=feet)
Looping plug	040-3000-0000RC
100-Ohm Bantam terminating plug	040-5000-0100
5-Conductor cross-connect wire, 1000 ft.	060115RC
Bantam circuit guard plug, white	101222-2
Bantam circuit guard plug, red	101222-3
"Phoney" plug, black	101235-1
"Phoney" plug, red	101235-3



E84C5: Front View



E84C6: Rear View