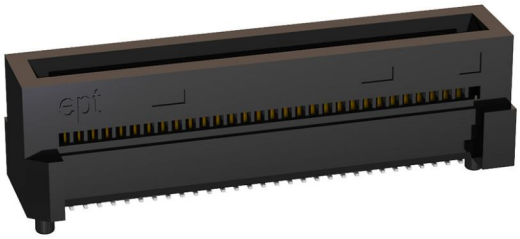
Product Data Sheet

EC.8, exactly 60p,
Part No. 408-52060-000-11



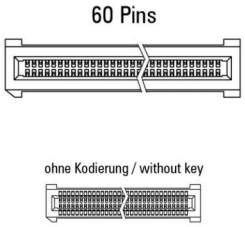


Illustration similar

Perpendicular | SMT | Direct Connector | High Density | High Speed

- number of positions: 60
- without ckeying
- for 1.6 mm daughter cards
- pitch: 0.8 mm
- data rate: 28 Gbit/s
- Tape-and-reel packaging

» to product on www.ept.de

» to product group EC.8 - 0.8 mm Edge Card

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Product Data Sheet

EC.8, exactly 60p,
Part No. 408-52060-000-11

Technical Specifications

Basics

No. of Contacts	60
Termination Technology	SMT
Operating Temperature Range	-40°C to +125°C

Material

Insulator Material	LCP, UL 94 V-0
CTI value *IEC 60112*	200
Contact Material	copper alloy
Plating	gold over palladium-nickel over nickel
Termination area	tin over nickel

Mechanical

Pitch	0.8 mm
Mating Force per Pin	≤ 0.635 N
Separating Force per Pin	≥ 0.06 N
Durability *IEC 60512-9-1*	500 mating cycles
Coplanarity	≤ 0.1 mm
Vibration, sinusoidal *IEC 60512-6-4*	10–2000 Hz, 20 g
Contact mating problems if vibrations occur, sinusoidal *IEC 60512-2-5*	≤ 1 µs
Shock, semi-sinusoidal *IEC 60512-6-3*	50 g, 11 ms
Contact mating problems if shock occur, semi-sinusoidal *IEC 60512-2-5*	≤ 1 µs

Electrical

Operational Current *IEC 60512-5-2*	1.35 A at 20°C (140 of 140 pins) 3.20 A at 20°C (8 of 140 pins)
Test Voltage *IEC 60512-4-1*	1100 VDC
Contact Resistance *IEC 60512-2-1*	≤ 15 mΩ
Clearance and Creepage	0.25 mm
Insulation Resistance *IEC 60512-3-1*	≥ 1 GΩ
Data Transfer Rate	28 Gbit/s

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Product Data Sheet

EC.8, exactly 60p,
Part No. 408-52060-000-11

Technical Specifications

Processing

Soldering Temperature *JEDEC J-STD-020E*	20–40 seconds at 260°C
MSL *JEDEC J-STD-020E*	1
Assembly	Pick and Place

Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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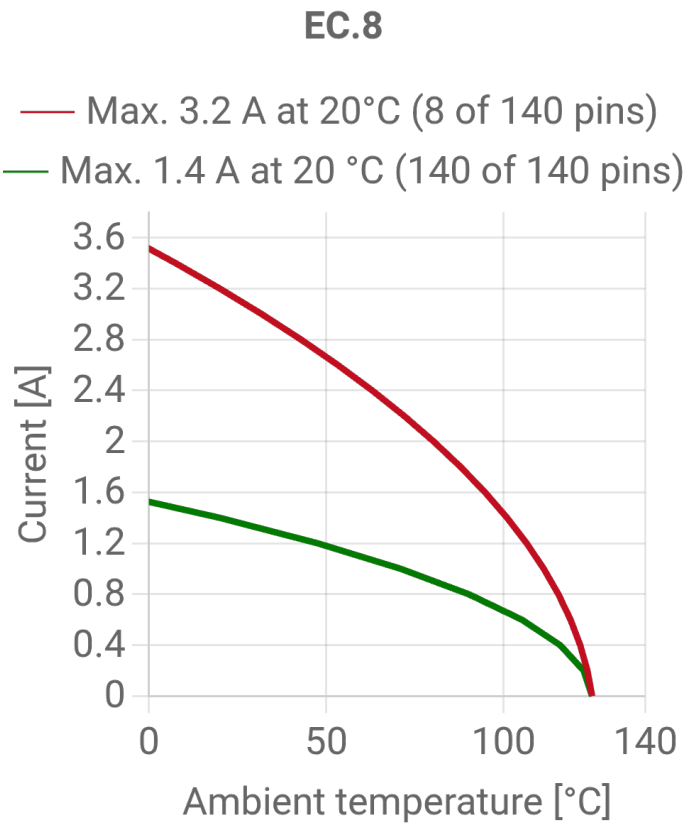
Derating Diagram



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Drawings

Component data in 2D and 3D format you can download here:

» PDF » 3D IGES » 3D STEP » 3D PDF

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