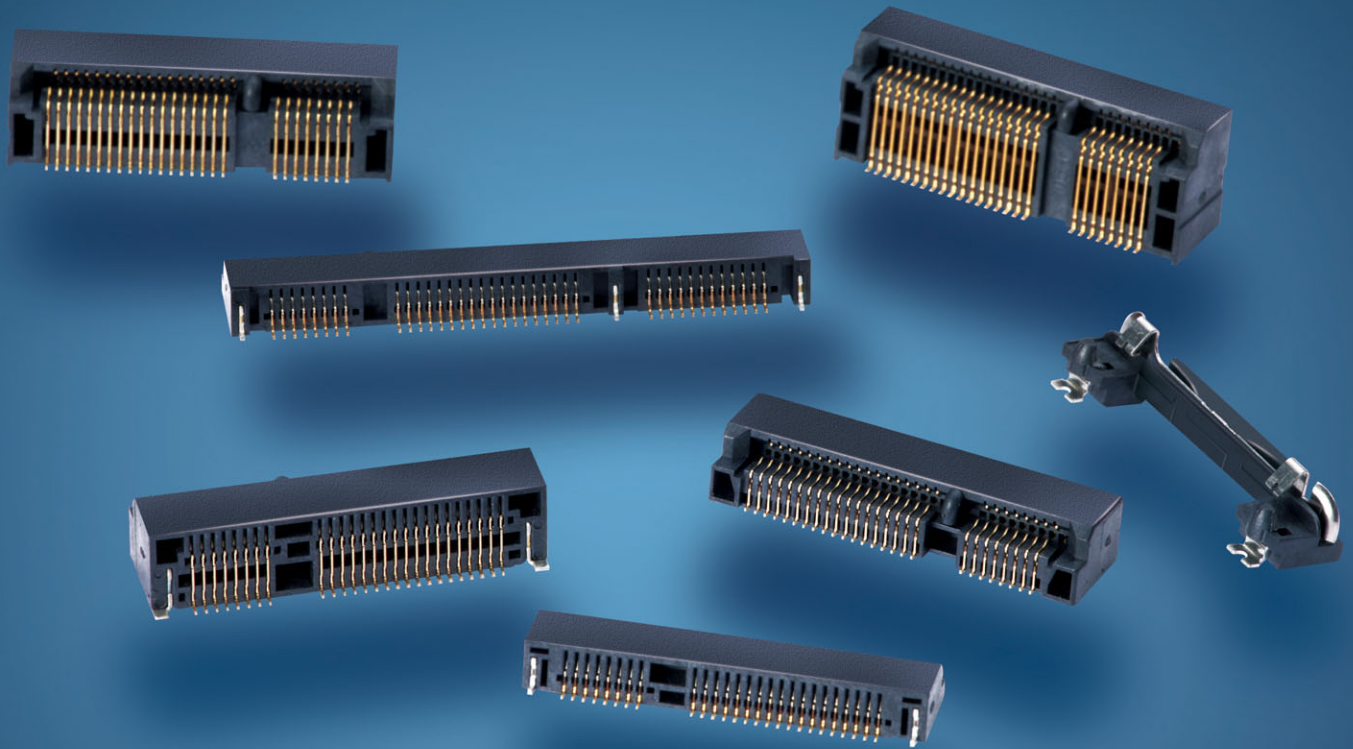




Quick Reference Guide

Express Mini Card and Display Mini Card Sockets

TE Connectivity's (TE) express mini card and display mini card sockets address interconnect requirements for expansion cards added on boards across server, desktop, consumer devices and notebook platforms. This product portfolio consists of right angle, surface mount sockets with 52 contacts (express mini card) or 76 contacts (display mini card). Latches are available for selected heights. The design meets the PCI-SIG industry standard for high speed data transmission.

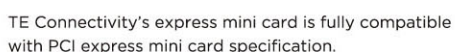
FEATURES & BENEFITS

- Sockets available in heights from 4mm to 10.6mm
- Capable of withstanding 50G mechanical shock testing
- Contact manufacturing method creates a contact with more stable normal force than other methods
- Compliant with PCI-SIG standard

APPLICATIONS

- Notebook PC
- Desktop PC
- Wireless Communication Equipment

Express Mini Card



TE Connectivity's display mini card is fully compatible with PCI express mini card, HDMI and displayport specification.



* RESERVED FOR FUTURE UIM INTERFACE (IF NEEDED)

CONNECTOR PIN-OUT DEFINITIONS (FOR DMC)			
PIN#	NAME	PIN#	NAME
75	GND	76	MLDIR
73	MLOn	74	GND
71	MLOn	72	GND
69	GND	70	MLIp
67	GND	68	MLIp
65	ML2n	66	GND
63	ML2n	64	GND
61	GND	62	ML3p
59	GND	60	ML3n
57	AUXp	58	GND
55	AUXn	56	GND
53	DMC#	54	HPD

52 Position Express Mini Card Sockets

TE Part Number	Contact Plating, Mating Area	Stack Height	Mount	Card Centerline to PCB	Packaging
2041119-1	Gold Flash	.157 in[4.00 mm]	Top	2.1 mm	Tape and reel
2041119-2	Gold (10)	.157 in[4.00 mm]	Top	2.1 mm	Tape and reel
2041119-3	Gold Flash	.157 in[4.00 mm]	Top	2.1 mm	RVS Tape and reel
2041119-4	Gold (10)	.157 in[4.00 mm]	Top	2.1 mm	RVS Tape and reel
1775862-1	Gold (10)	.205 in [5.2 mm]	Top	3.25 mm	Tape and reel
1775862-2	Gold Flash	.205 in [5.2 mm]	Top	3.25 mm	Tape and reel
1-1775862-1	Gold (10)	.205 in [5.2 mm]	Top	3.25 mm	RVS Tape and reel
1-1775862-2	Gold Flash	.205 in [5.2 mm]	Top	3.25 mm	RVS Tape and reel
1775838-1	Gold (10)	.220 in [5.6 mm]	Top	3.65 mm	Tape and reel
1775838-2	Gold Flash	.220 in [5.6 mm]	Top	3.65 mm	Tape and reel
1775838-3	Gold (10)	.220 in [5.6 mm]	Top	3.65 mm	RVS Tape and reel
2041262-1	Gold Flash	.268 in [6.8 mm]	Top	4.85mm	Tape and reel
2041262-2	Gold (10)	.268 in [6.8 mm]	Top	4.85mm	Tape and reel
1759547-1	Gold Flash	.276 in [7.0 mm]	Top	5.05 mm	Tape and reel
1759503-1	Gold Flash	.315 in [8.0 mm]	Top	6.05 mm	Tape and reel
1759503-2	Gold Flash	.315 in [8.0 mm]	Top	6.05 mm	RVS Tape and reel
1759513-1	Gold Flash	.354 in [9.0 mm]	Top	7.05 mm	Tape and reel
1759546-1	Gold Flash	.390 in [9.9 mm]	Top	7.95 mm	Tape and reel
2041216-1	Gold (10)	.390 in [9.9 mm]	Top	7.95 mm	Tape and reel
1759516-1	Gold Flash	.413 in [10.5 mm]	Top	8.55 mm	Tape and reel
2041032-1	Gold Flash	.417 in [10.6 mm]	Top	8.65mm	Tape and reel
2129318-1	Gold (10)	.079 in [2.0 mm]	Top	0.5mm (Offset)	Tape and reel
1759941-1	Gold Flash	.177 in [4.5 mm]	Bottom	2.5mm	Tape and reel

76 Position DMC (Display Mini Card) Sockets

2041286-1	Gold Flash	.157 in[4.00 mm]	Top	2.04 mm	Tape and reel
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Latches for Express Mini Card Sockets

1717832-2	N/A	.157 in [4.00 mm]			
1827682-1	N/A	.276 in [7.0 mm]			

Frequently asked questions

Question 1

Will express mini card connectors replace existing mini PCI connectors?

Answer 1

The trend will be to move towards express mini card, but mini PCI will still be used for some time.

Question 2

Is a latch required when using this connector?

Answer 2

TE Connectivity does offer latches for the 4mm and 7mm connectors, but many customers manufacture their own standoffs.

Question 3

When would I use the DMC (Display Mini Card) connector instead of the express mini card?

Answer 3

If you need a wireless display option, you would use the DMC connector.

FOR MORE INFORMATION

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*as defined www.te.com/leadfree

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Электрон
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