



PCIe GEN 5 CEM CONNECTORS

TE Connectivity's (TE) PCIe Gen 5 CEM connectors can enable all generations of PCI Express signaling and address the needs of higher speed performance with a roadmap of data rates that can reach up to 32 gigatransfers per second (GT/s) differential signal pair. We can provide a broad product portfolio, early sample support, quick mass production and high reliable signal integrity performance.

FOCUS MARKETS

- Data center
- High performance computing
- Artificial intelligence
- Test & measurement
- Automotive

APPLICATIONS

- Servers
- Storages
- Workstations
- Embedded systems
- Industrial computers
- Desktop PCs

KEY BENEFITS

- Support next-generation processors for better system application scaling and higher bandwidth.
- Backward compatible to PCIe Gen 4/3/2/1 products in interface and footprint.
- Offer multiple configurations to fulfill various applications.
- Offer one-stop shop solution and flexible small quantity samples.
- Fully complies with environmental, healthy and safety requirements.

KEY FEATURES

- Speed: 32 GT/s
- Impedance: 85Ω
- Pitch: 1.0mm
- Tail: Vertical SMT
- Pin count: x16 (164P), x8 (98P), x4 (64P), x1 (36P)
- Plating: 30u", 15u", gold flash
- Current rating per pin: 1.1A min. per pin
- Polyester film: Full cover surface, 10mm x 8mm
- Housing material: High-temp plastic (RoHS compliant, low-halogen material)
- Package: Hard tray/Soft tray/Tape and Reel

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PART NUMBERS

VERTICAL SMT STANDARD

Part Number	Plating	Position	Polyester film	Package
2364427-1	Gold flash	36P	N/A	Hard Tray
2364427-2	Gold flash	64P	N/A	Soft Tray
2364427-3	Gold flash	98P	N/A	Hard Tray
2364427-4	Gold flash	164P	N/A	Hard Tray
1-2364427-1	15u"	36P	N/A	Soft Tray
1-2364427-2	15u"	64P	N/A	Soft Tray
1-2364427-3	15u"	98P	N/A	Hard Tray
1-2364427-4	15u"	164P	N/A	Hard Tray
2-2364427-1	30u"	36P	N/A	Soft Tray
2-2364427-2	30u"	64P	N/A	Soft Tray
2-2364427-3	30u"	98P	N/A	Hard Tray
2-2364427-4	30u"	164P	N/A	Hard Tray
3-2364427-1	Gold flash	36P	10x8	Soft Tray
3-2364427-2	Gold flash	64P	10x8	Soft Tray
3-2364427-3	Gold flash	98P	10x8	Hard Tray
3-2364427-4	Gold flash	164P	N/A	Hard Tray
3-2364427-5	Gold flash	36P	22.5x8	Soft Tray
3-2364427-6	Gold flash	64P	36.5x8	Soft Tray
3-2364427-7	Gold flash	98P	53.5x8	Hard Tray
3-2364427-8	Gold flash	164P	86.5x8	Hard Tray
4-2364427-1	15u"	36P	10x8	Soft Tray
4-2364427-2	15u"	64P	10x8	Soft Tray
4-2364427-3	15u"	98P	10x8	Hard Tray
4-2364427-4	15u"	164P	10x8	Hard Tray
4-2364427-5	15u"	36P	22.5x8	Soft Tray
4-2364427-6	15u"	64P	36.5x8	Soft Tray
4-2364427-7	15u"	98P	53.5x8	Hard Tray
4-2364427-8	15u"	164P	86.5x8	Hard Tray
5-2364427-1	30u"	36P	10x8	Soft Tray
5-2364427-2	30u"	64P	10x8	Soft Tray
5-2364427-3	30u"	98P	10x8	Hard Tray
5-2364427-4	30u"	164P	10x8	Hard Tray
5-2364427-5	30u"	36P	22.5x8	Soft Tray
5-2364427-6	30u"	64P	36.5x8	Soft Tray
5-2364427-7	30u"	98P	53.5x8	Hard Tray
5-2364427-8	30u"	164P	86.5x8	Hard Tray
6-2364427-5	30u"	36P	22x8.5	Tape & Reel
6-2364427-6	30u"	64P	30x8.5	Tape & Reel
6-2364427-7	30u"	98P	53x8.5	Hard Tray
6-2364427-8	30u"	164P	86.5x8.5	Hard Tray
7-2364427-4	30u"	164P	45x8	Hard Tray
7-2364427-7	30u"	98P	53.5x8	Tape & Reel
7-2364427-8	30u"	164P	N/A	Soft Tray
8-2364427-4	30u"	164P	10x8	Hard Tray

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VERTICAL SMT 3* SOLDER TAB (1.5MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2371437-3	Gold Flash	98P	N/A	Hard Tray
2371437-4	Gold Flash	164P	N/A	Hard Tray
1-2371437-3	15u"	98P	N/A	Hard Tray
1-2371437-4	15u"	164P	N/A	Hard Tray
2-2371437-3	30u"	98P	N/A	Hard Tray
2-2371437-4	30u"	164P	N/A	Hard Tray
3-2371437-3	Gold Flash	98P	10x8	Hard Tray
3-2371437-4	Gold Flash	164P	10x8	Hard Tray
3-2371437-7	Gold Flash	98P	53.5x8	Hard Tray
3-2371437-8	Gold Flash	164P	86.5x8	Hard Tray
4-2371437-3	15u"	98P	10x8	Hard Tray
4-2371437-4	15u"	164P	10x8	Hard Tray
4-2371437-7	15u"	98P	53.5x8	Hard Tray
4-2371437-8	15u"	164P	86.5x8	Hard Tray
5-2371437-3	30u"	98P	10x8	Hard Tray
5-2371437-4	30u"	164P	10x8	Hard Tray
5-2371437-7	30u"	98P	53.5x8	Hard Tray
5-2371437-8	30u"	164P	86.5x8	Hard Tray
7-2371437-4	30u"	164P	10x45	Hard Tray

VERTICAL SMT 3* SOLDER TAB (1.9MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2378762-3	Gold Flash	98P	N/A	Hard Tray
2378762-4	Gold Flash	164P	N/A	Hard Tray
1-2378762-3	15u"	98P	N/A	Hard Tray
1-2378762-4	15u"	164P	N/A	Hard Tray
2-2378762-3	30u"	98P	N/A	Hard Tray
2-2378762-4	30u"	164P	N/A	Hard Tray
3-2378762-3	Gold Flash	98P	10x8	Hard Tray
3-2378762-4	Gold Flash	164P	10x8	Hard Tray
3-2378762-7	Gold Flash	98P	53.5x8	Hard Tray
3-2378762-8	Gold Flash	164P	86.5x8	Hard Tray
4-2378762-3	15u"	98P	10x8	Hard Tray
4-2378762-4	15u"	164P	10x8	Hard Tray
4-2378762-7	15u"	98P	53.5x8	Hard Tray
4-2378762-8	15u"	164P	86.5x8	Hard Tray
5-2378762-3	30u"	98P	10x8	Hard Tray
5-2378762-4	30u"	164P	10x8	Hard Tray
5-2378762-7	30u"	98P	53.5x8	Hard Tray
5-2378762-8	30u"	164P	86.5x8	Hard Tray
7-2378762-4	30u"	164P	45x8	Hard Tray

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VERTICAL SMT SLIM & STD 3 SOLDER TAB (2.76MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2399941-4	Gold Flash	164P	N/A	Hard Tray
1-2399941-4	15u"	164P	N/A	Hard Tray
2-2399941-4	30u"	164P	N/A	Hard Tray
3-2399941-4	Gold Flash	164P	10x8	Hard Tray
3-2399941-8	Gold Flash	164P	86.5x8	Hard Tray
4-2399941-4	15u"	164P	10x8	Hard Tray
4-2399941-8	15u"	164P	86.5x8	Hard Tray
5-2399941-4	30u"	164P	10x8	Hard Tray
5-2399941-8	30u"	164P	86.5x8	Soft Tray
6-2399941-8	30u"	164P	86.5x8	Hard Tray
8-2399941-8	30u"	164P	86.5x8	Hard Tray
9-2399941-8	30u"	164P	86.5x8	Hard Tray

VERTICAL SMT WITH INTEGRATED LATCH

Part Number	Plating	Position	Polyester film	Package
2371438-4	Gold Flash	164P	N/A	Hard Tray
1-2371438-4	15u"	164P	N/A	Hard Tray
2-2371438-4	30u"	164P	N/A	Hard Tray
3-2371438-4	Gold Flash	164P	10x8	Hard Tray
3-2371438-8	Gold Flash	164P	86.5x8	Hard Tray
4-2371438-4	15u"	164P	10x8	Hard Tray
4-2371438-8	15u"	164P	86.5x8	Hard Tray
5-2371438-4	30u"	164P	10x8	Hard Tray
5-2371438-8	30u"	164P	86.5x8	Hard Tray

VERTICAL SMT WITH SIDE LATCH

Part Number	Plating	Position	Polyester film	Package
2418331-4	30u"	164P	22x8	Hard Tray
1-2418331-4	15u"	164P	22x8	Hard Tray
2-2418331-4	Gold Flash	164P	22x8	Hard Tray

VERTICAL SMT SLIM WITHOUT RIDGE (BLACK OR BLUE HOUSING)

Part Number	Plating	Position	Polyester film	Package
2371900-4	Gold Flash	164P	N/A	Hard Tray
1-2371900-4	15u"	164P	N/A	Hard Tray
2-2371900-4	30u"	164P	N/A	Hard Tray
3-2371900-4	Gold Flash	164P	10x8	Hard Tray
3-2371900-8	Gold Flash	164P	86.5x8	Hard Tray
4-2371900-4	15u"	164P	10x8	Hard Tray
4-2371900-8	15u"	164P	86.5x8	Hard Tray
5-2371900-4	30u"	164P	10x8	Hard Tray
5-2371900-8	30u"	164P	86.5x8	Hard Tray
6-2371900-8	30u"	164P	86.5x8	Hard Tray
7-2371900-4	30u"	164P	45x8	Hard Tray
7-2371900-8	30u"	164P	86.5x8	Hard Tray
8-2371900-8	30u"	164P	86.5x8	Hard Tray

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VERTICAL SMT WITH OPEN END WALL

Part Number	Plating	Position	Polyester film	Package
2371899-1	Gold Flash	36P	N/A	Soft Tray
2371899-2	Gold Flash	64P	N/A	Soft Tray
2371899-3	Gold Flash	98P	N/A	Hard Tray
2371899-4	Gold Flash	164P	N/A	Hard Tray
1-2371899-1	15u"	36P	N/A	Soft Tray
1-2371899-2	15u"	64P	N/A	Soft Tray
1-2371899-3	15u"	98P	N/A	Hard Tray
1-2371899-4	15u"	164P	N/A	Hard Tray
2-2371899-1	30u"	36P	N/A	Soft Tray
2-2371899-2	30u"	64P	N/A	Soft Tray
2-2371899-3	30u"	98P	N/A	Hard Tray
2-2371899-4	30u"	164P	N/A	Hard Tray
3-2371899-1	Gold Flash	36P	10x8	Soft Tray
3-2371899-2	Gold Flash	64P	10x8	Soft Tray
3-2371899-3	Gold Flash	98P	10x8	Hard Tray
3-2371899-4	Gold Flash	164P	10x8	Hard Tray
3-2371899-5	Gold Flash	36P	22.5x8	Soft Tray
3-2371899-6	Gold Flash	64P	36.5x8	Soft Tray
3-2371899-7	Gold Flash	98P	53.5x8	Hard Tray
3-2371899-8	Gold Flash	164P	86.5x8	Hard Tray
4-2371899-1	15u"	36P	10x8	Soft Tray
4-2371899-2	15u"	64P	10x8	Soft Tray
4-2371899-3	15u"	98P	10x8	Hard Tray
4-2371899-4	15u"	164P	10x8	Hard Tray
4-2371899-5	15u"	36P	22.5x8	Soft Tray
4-2371899-6	15u"	64P	36.5x8	Soft Tray
4-2371899-7	15u"	98P	53.5x8	Soft Tray
4-2371899-8	15u"	164P	86.5x8	Soft Tray
5-2371899-1	30u"	36P	10x8	Soft Tray
5-2371899-2	30u"	64P	10x8	Soft Tray
5-2371899-3	30u"	98P	10x8	Hard Tray
5-2371899-4	30u"	164P	10x8	Soft Tray
5-2371899-5	30u"	36P	22.5x8	Soft Tray
5-2371899-6	30u"	64P	36.5x8	Soft Tray
5-2371899-7	30u"	98P	53.5x8	Hard Tray
5-2371899-8	30u"	164P	86.5x8	Soft Tray
7-2371899-4	30u"	164P	10x45	Hard Tray
7-2371899-7	30u"	98P	53.5x8	Tape & Reel

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VERTICAL SMT 2* SOLDER TAB WITH POST (1.5MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2384214-3	Gold Flash	98P	N/A	Hard Tray
2384214-4	Gold Flash	164P	N/A	Hard Tray
1-2384214-3	15u"	98P	N/A	Hard Tray
1-2384214-4	15u"	164P	N/A	Hard Tray
2-2384214-3	30u"	98P	N/A	Hard Tray
2-2384214-4	30u"	164P	N/A	Hard Tray
3-2384214-3	Gold Flash	98P	10x8	Hard Tray
3-2384214-4	Gold Flash	164P	10x8	Hard Tray
3-2384214-7	Gold Flash	98P	53.5x8	Hard Tray
3-2384214-8	Gold Flash	164P	86.5x8	Hard Tray
4-2384214-3	15u"	98P	10x8	Hard Tray
4-2384214-4	15u"	164P	10x8	Hard Tray
4-2384214-7	15u"	98P	53.5x8	Hard Tray
4-2384214-8	15u"	164P	86.5x8	Hard Tray
5-2384214-3	30u"	98P	10x8	Hard Tray
5-2384214-4	30u"	164P	10x8	Hard Tray
5-2384214-7	30u"	98P	53.5x8	Hard Tray
5-2384214-8	30u"	164P	86.5x8	Hard Tray
7-2384214-4	30u"	164P	45x8	Hard Tray

VERTICAL SMT 2*SOLDER TAB WITH POST (1.9MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2384030-3	Gold Flash	98P	N/A	Hard Tray
2384030-4	Gold Flash	164P	N/A	Hard Tray
1-2384030-3	15u"	98P	N/A	Hard Tray
1-2384030-4	15u"	164P	N/A	Hard Tray
2-2384030-3	30u"	98P	N/A	Hard Tray
2-2384030-4	30u"	164P	N/A	Hard Tray
3-2384030-3	Gold Flash	98P	10x8	Hard Tray
3-2384030-4	Gold Flash	164P	10x8	Hard Tray
3-2384030-7	Gold Flash	98P	53.5x8	Hard Tray
3-2384030-8	Gold Flash	164P	86.5x8	Hard Tray
4-2384030-3	15u"	98P	10x8	Hard Tray
4-2384030-4	15u"	164P	10x8	Hard Tray
4-2384030-7	15u"	98P	53.5x8	Hard Tray
4-2384030-8	15u"	164P	86.5x8	Hard Tray
5-2384030-3	30u"	98P	10x8	Hard Tray
5-2384030-4	30u"	164P	10x8	Hard Tray
5-2384030-7	30u"	98P	53.5x8	Hard Tray
5-2384030-8	30u"	164P	86.5x8	Hard Tray
7-2384030-4	30u"	164P	45x8	Hard Tray

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VERTICAL SMT 2* SOLDER TAB WITHOUT POST (2.76MM TAB LENGTH)

Part Number	Plating	Position	Polyester film	Package
2388957-3	Gold Flash	98P	N/A	Hard Tray
2388957-4	Gold Flash	164P	N/A	Hard Tray
1-2388957-3	15u"	98P	N/A	Hard Tray
1-2388957-4	15u"	164P	N/A	Hard Tray
2-2388957-3	30u"	98P	N/A	Hard Tray
2-2388957-4	30u"	164P	N/A	Hard Tray
3-2388957-3	Gold Flash	98P	10x8	Hard Tray
3-2388957-4	Gold Flash	164P	10x8	Hard Tray
3-2388957-7	Gold Flash	98P	53.5x8	Hard Tray
3-2388957-8	Gold Flash	164P	86.5x8	Hard Tray
4-2388957-3	15u"	98P	10x8	Hard Tray
4-2388957-4	15u"	164P	10x8	Hard Tray
4-2388957-7	15u"	98P	53.5x8	Hard Tray
4-2388957-8	15u"	164P	86.5x8	Hard Tray
5-2388957-3	30u"	98P	10x8	Hard Tray
5-2388957-4	30u"	164P	10x8	Hard Tray
5-2388957-7	30u"	98P	53.5x8	Hard Tray
5-2388957-8	30u"	164P	86.5x8	Hard Tray
7-2388957-4	30u"	164P	45x8	Hard Tray

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