

## CCM05 xD (xD-Picture Card™ Connector)

For the latest standard in digital imaging, we propose an ultra small header to optimize your PCB layout

#### Features

- Compact design
- Rear metal tab for better PCB tear-off resistance
- Front cover retention for temper resistant card entrance
- Card withholding finger
- Hot insertion sequencing managed by contacts location
- Card detect function done by double contact on location 1 and 18

Contacts	Copper alloy
Contact finish (towards the card)	Gold plated over nickel
Contact finish (towards the PCB)	Tin / lead over nickel
Metal cover	Copper alloy (nickel plated overall)
Cover ground tails	Gold plated over nickel
Molding	High temp. Thermoplastic, UL 94V-0
Mechanical Data	
Number of contacts	18
Operating life	≥ 10,000 cycles
Contact force (signal contact)	0.20 N min.
Card insertion force	10 N max.
Card withdrawal force	2 N min.
Vibration	According to IEC 512 part 4, test 6d.
	10 to 500 Hz/50m/s²/3 axis/2 hours per axis
<del></del>	No discontinuity > 1 μs
Mechanical shock	Peak value 500 m/s <sup>2</sup> 11ms. 3 shock in each
	direction of each axis. No electrical
	discontinuity 1 μs.
Contact Electrical Data	
Voltage / ct	< 5 Vdc
Current / ct	< 500 mA
Contact resistance	≤ 100 mΩ
Voltage proof	> 250 Vrms
Insulation resistance	1000 MΩ min
Environmental Data	
Operating temperature	-20°C / +85°C
Storage temperature	-40°C / +85°C
Soldering temperature	230°C / 5 sec according to
	MIL-STD-202F, method 208
Maiatura ragiatanaa	40°C / 029/ HD / 06 hours. According to

# Storage temperature -40°C / +85°C Soldering temperature 230°C / 5 sec according to MIL-STD-202F, method 208 Moisture resistance 40°C / 93% HR / 96 hours. According to MIL-STD-202F, method 103B, test condition B Corrosion 48 hours according to IEC 512 test 11f

#### Ordering Code

**Physical Data** 

CCM05-5782 T50 xD card connector

#### Packaging

50 pieces per tray, 1000 pieces per carton box

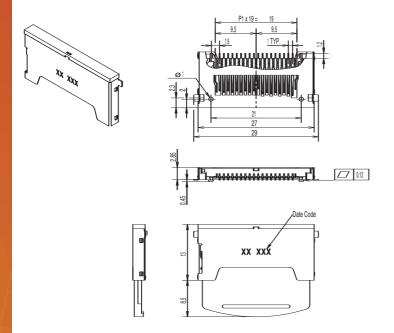
xD-Picture Card is a trademark of Fujifilm, Olympus and Toshiba.

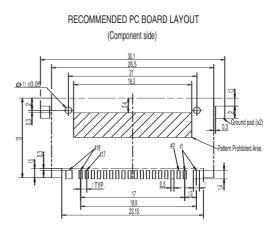
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#### CCM05-5782





To learn more about our CCM05 xD product line, please visit www.ittcannon.com

#### **Customer Support Locations**

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