



Sensors > Temperature Sensors > NTC Sensors > NTC Thermistors > Thermistor Probe — Micro BetaCHIP (MCD)



NTC Sensor Type: **Epoxy Coated NTC Thermistor**

Lead Wire Length: **152 mm [ 5.984 in ]**

Resistance (at 25°C): **2 kΩ**

β-Value(25/85): **3499 K**

Tolerance β-Value: **±.5 %**

[All Thermistor Probe — Micro BetaCHIP \(MCD\) \(3\)](#)

Features

Product Type Features

β-Value (0/50)	3422 K
Temperature Tolerance	± 0.2 °C @ 25 °C
NTC Sensor Type	Epoxy Coated NTC Thermistor
Tolerance β-Value	±.5 %

Electrical Characteristics

β-Value(25/85)	3499 K
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Body Features

Insulation Material	Polyester
Lead Wire Conductor Type	Nickel Bifilar Solid

Dimensions

Lead Wire Size	38 AWG
Product Diameter	.5 mm[.02 in]
Product Length	3.3 mm[.13 in]
Lead Wire Length	152 mm[5.984 in]

Usage Conditions

Resistance (at 25°C)	2 kΩ
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Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operating Temperature (Max)	125 °C[257 °F]

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # GA10K3MBD1  
MBD PROBE, 10K @25C, 0.2 FROM 0 TO 70

TE Part # GA10K3MCD1  
MCD PROBE, 10K OHMS,+/- 0.2C @ 25C

TE Part # GA10K3MRBD1  
MBD9-MRBD

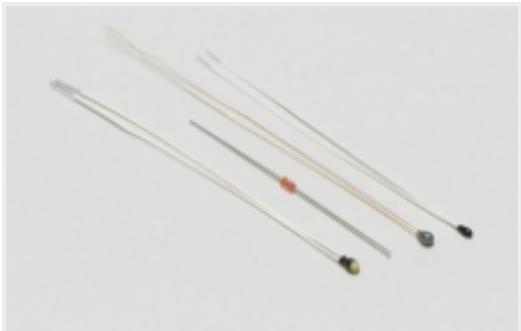
TE Part # GA10K4D25  
PRO2-PROBE



Also in the Series | **MEAS MCD**



NTC Probes(1)



NTC Thermistors(3)

Customers Also Bought



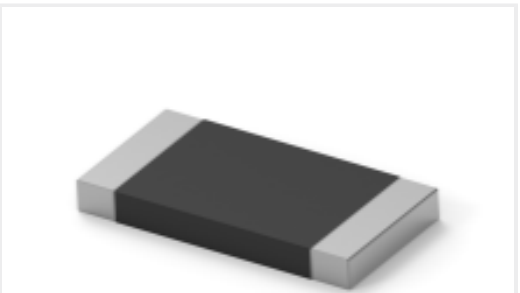
TE Part #1-1571983-0  
GDH08S04=DIP SWITCH



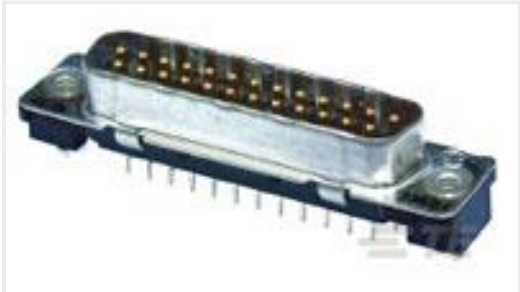
TE Part #2-520264-2  
ULTRAFAST 250 ASSY REC 22-18  
TPBR LP



TE Part #3-1393248-9  
W33-T2N1Q-20=W33



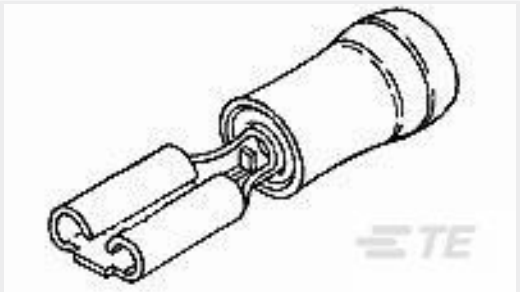
TE Part #2-2176421-7  
TLRP 2512 2.0W R050 1% 25PPM 4K RL



TE Part #2-5747704-0  
25 PLUG SP/FMS BRDLK



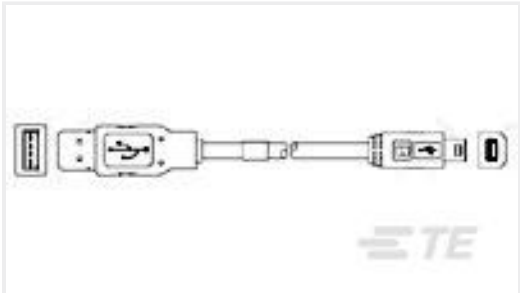
TE Part #5-1609152-1  
20SRB1=F8424



TE Part #165563-1  
110 PIDG FASTON REC



TE Part #440055-8  
2.0MM,HDR,8POS,R/A



TE Part #1487594-1  
USB, A-B, 28/28, BLACK, 0.5M



TE Part #91579-1  
CCII ECON POWER REC 20-16 ASSY

Documents

**Datasheets & Catalog Pages**  
**GA2K7MCD1 MICRO BetaCHIP (MCD) THERMISTOR PROBES**  
English