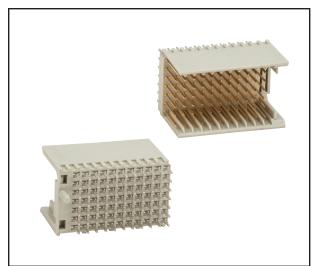
3M[™] CP2 Press-Fit Header

2 mm Type C, 55 Signal Contacts, Left Guidance



- 25 mm basic system unit
- 2 mm grid spacing allows for high signal density at low cost
- "Eye of the Needle" compliant pin press-fit design helps reduce manufacturing time and cost
- Three contact mating levels for Early Mate Late Break or "Hot Swap" applications reduces manufacturing time and cost
- Feed through termination available for midplane applications
- Additional grounding rows available for improved ground bounce and EMI immunity
- Mates with 5 row 3M[™] HSHM, UHM and CP2 Sockets
- End to end stackable with 5 row 3M[™] HSHM, HM and CP2 Headers
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

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,,,,,	Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Polyester (PBT) Flammability: UL94V-0 **Contact:** Material: Copper Alloy Plating: See Ordering Information

Mechanical

 Mating Force:
 ≤0.75N/PIN

 Withdrawal Force:
 ≥0.15N/PIN

 Mating and Un-mating Operations
 200 for KR plating

 Application:
 This module is not suitable for stand-alone use. (Refer to IEC-61076-4-101)

Electrical

Current Rating: $1.0 \text{ Amperes at } 70^{\circ}\text{C}$ with all contacts poweredContact Resistance: $\leq 20 \text{ m}\Omega$ Insulation Resistance: $\geq 10,000 \text{ M}\Omega$ Test Voltage: 750 VAC_{RMS}

Environmental

Temperature Ratings: -55° C to $+125^{\circ}$ C

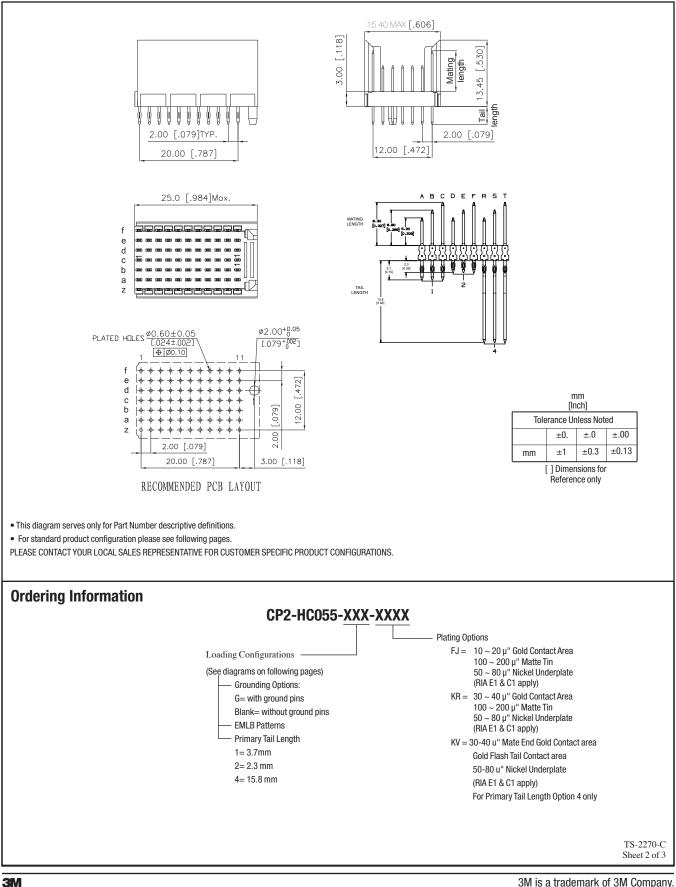
PCB Data

$0.6 \pm 0.05 \text{ mm}$
$0.7 \pm 0.02 \text{ mm}$
25~50 μm, Sn<10 μm
- 5.6 mm for 3.7 mm tails, 1.4 - 5.6 mm for 2.3 mm tails
04N/pin on nominal hole diameter
3.5N/pin on nominal hole diameter
)

3M[™] CP2 Press-Fit Header

2 mm Type C, 55 Signal Contacts, Left Guidance

CP2 Series



Electronics Materials Solutions Division Interconnect Solutions http://www.3Mconnectors.com

$3M^{\text{TM}}$ CP2 Press-Fit Header

2 mm Type C, 55 Signal Contacts, Left Guidance

CP2 Series

	HC055	6-E1-T	G30					Con	necto	r Type	CL11	CP2-	HC055	6-GE1-	TG30					Con	nector	Туре	CL11
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