



**Distributor of TE Connectivity AMP Connectors: Excellent Integrated System Limited**  
Datasheet of 787503-2 - D-Sub Connector Receptacle, Female Sockets 25, 68 Position  
Through Hole, Right Angle Solder

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

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## **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

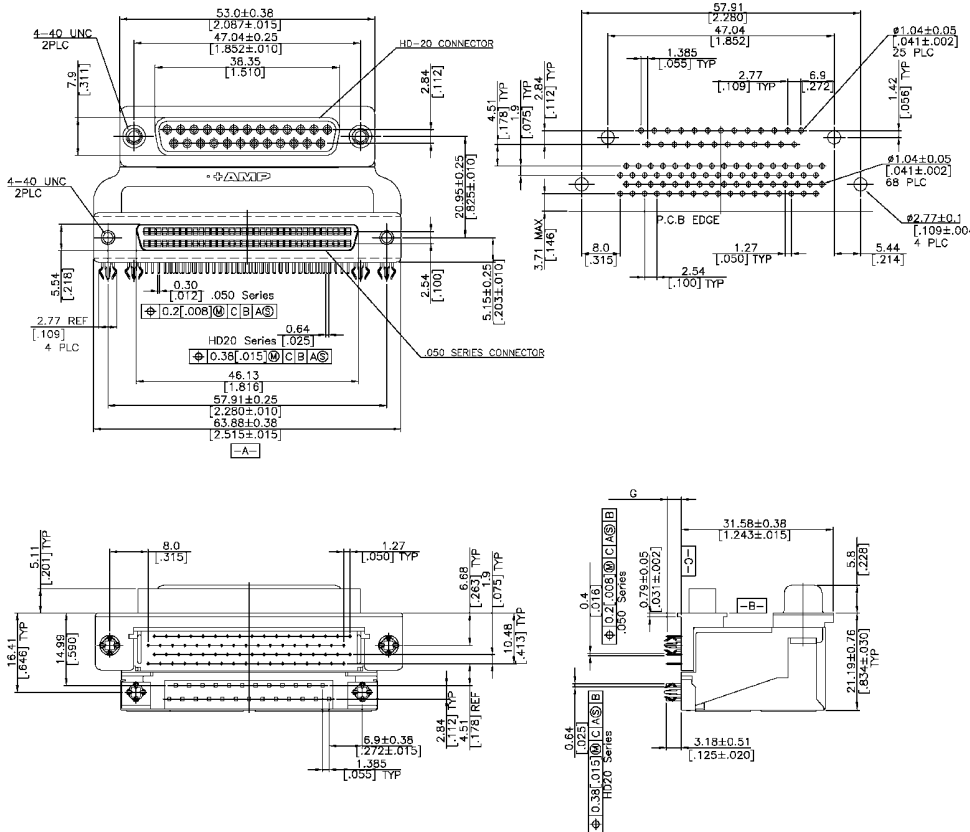
[TE Connectivity AMP Connectors](#)  
[787503-2](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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REV	DATE	DESCRIPTION	BY	CHK	APP'D
H	REVISED PER EC 0513-0253-02		15AND3	JG	CC



- MATERIAL FOR HD-20 CONNECTOR:**
- Insulator: PBT, Glass filled thermoplastic polyester.  
UL 94V-0 rated, D-SUB 25 female color is black.
  - Contact: FEMALE : Phosphor Bronze.  
PLATING : Full terminal under plating Ni 1.27um[.000050] localized Gold 0.76um[.000030] plate area and localized Tin-lead 3.05um[.000120] plate area.
  - Shell: Steel, Tin plated.
  - Bracket: Zinc alloy, Zn plated.
- SPECIFICATIONS FOR HD-20 CONNECTOR:**
- Current Rating : 1 Amps.
  - Dielectric Withstanding : AC 1000 V for 1 minutes.
  - Insulator Resistance : 5000 Megohms min. At 500V DC
  - Contact Resistance : 35 milliohms at 1 AMP.
  - Operating Temperature : -55°C - +105°C
- MATERIAL FOR .050 SERIES CONNECTOR:**
- Insulator: LCP, UL 94V-0 rated, Glass filled, black.
  - Contact: FEMALE : Phosphor Bronze.  
PLATING : 0.76um[.000030] min Gold for a length of 0.64[.025] min from mating end, 3.81um[.000150] min Tin-lead for a length of 3.68[.145] min from opposite end, both over 1.27um[.000050] min Nickel.
  - Shell: Steel.  
PLATING: 5.08um[.000200] min Nickel over 2.54um[.000100] min Copper.
  - Boardlocks: Copper Alloy.  
PLATING: 3.04um[.000120] min Tin over 1.27um[.000050] min Copper.
- SPECIFICATIONS FOR Amplitude .050 series CONNECTOR:**
- Current Rating : 1 Amps.
  - Dielectric Withstanding : 500 VAC at sea level.
  - Insulator Resistance : 1000 Megohms min. At 500V DC
  - Contact Resistance : 25 milliohms at 1 AMP.
  - Operating Temperature : -55°C - +105°C

SUPSD BY 786387-1	2.92±0.25 [.115±0.010]	787503-2
	2.41±0.25 [.095±0.010]	787503-1
	G	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE	31A4301	Tyco Electronics Corporation Harrisburg, PA 17115								
BY	A.HOLT	DATE	31A4301									
CHK	C.CASH	DATE	31A4301	STACKABLE II HYBRID ASSEMBLY, SIZE 3, 25 POSITION, HD-20, RECEPTACLE OVER 68 POSITION, .050 SERIES, RECEPTACLE, AMPLITUDE								
APP	PROD SPEC	DATE	31A4301									
ENG	SEE NOTES	DATE		SIZE	A2	DATE CODE	00779	DRAWING NO	787503	RESTRICTED TO		
APP	APPLICATION SPEC	DATE		REV								
APP	SEE NOTES	DATE		CUSTOMER DRAWING	SCALE	2:1	SHEET	1	OF	1	REV	H