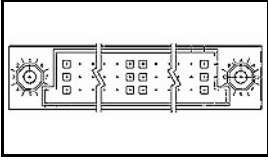


## 1-532447-1 Product Details

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**1-532447-1**

TE Internal Number: 1-532447-1

 Active

[View 3D PDF](#)

### AMP-HDI (Four Beam) & TBC (Twin Beam) Connectors

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

#### Product Highlights:

- Connector
- Plug
- 210 Positions
- PCB Mount Style = Through Hole
- PCB Mounting Orientation = Vertical

[View all Features](#)

#### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Connectors \(1\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

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### Documentation & Additional Information

#### Product Drawings:

- [HDI, 3 ROW, PIN ASSEMBLY, 6.35 \[.250\] LONG ACTION PI...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- [Connector, Interconnect, High Density](#) (PDF, English)

#### Application Specifications:

- [AMP-HDI Connectors](#) (PDF, English)

#### Instruction Sheets:

- [AMP-HDI\\* High Density Interconnection Printed Circui...](#) (PDF, English)

#### CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version M1)
- [3D Model](#) (IGES, Version M1)
- [3D Model](#) (STEP, Version M1)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)
- [Connectors \(1\)](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Product Type = Connector
- Gender = Plug
- PCB Mount Style = Through Hole
- PCB Mounting Orientation = Vertical
- Make First / Break Last = No
- PCB Mount Retention = With
- PCB Mount Retention Type = Action/Compliant Tail

#### Termination Features:

- Termination Post Length (mm [in]) = 6.35 [0.250]
- Solder Tail Contact Plating = Tin

#### Contact Features:

- Contact Configuration = Four-Beam
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Base Material = Phosphor Bronze

#### Housing Features:

- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = Without
- Housing Material = PPS
- Housing Color = Brown
- Housing Material Temperature = High

#### Configuration Features:

- Number of Positions = 210
- Number of Rows = 3
- Center Guide = Without

#### Industry Standards:

- Government/Industry Qualification = No
- RoHS/ELV Compliance = Not ELV/RoHS compliant
- Lead Free Solder Processes = Not relevant for lead free process

- Underplate Material = Nickel

**Other:**

- Brand = AMP

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**Quick Links**

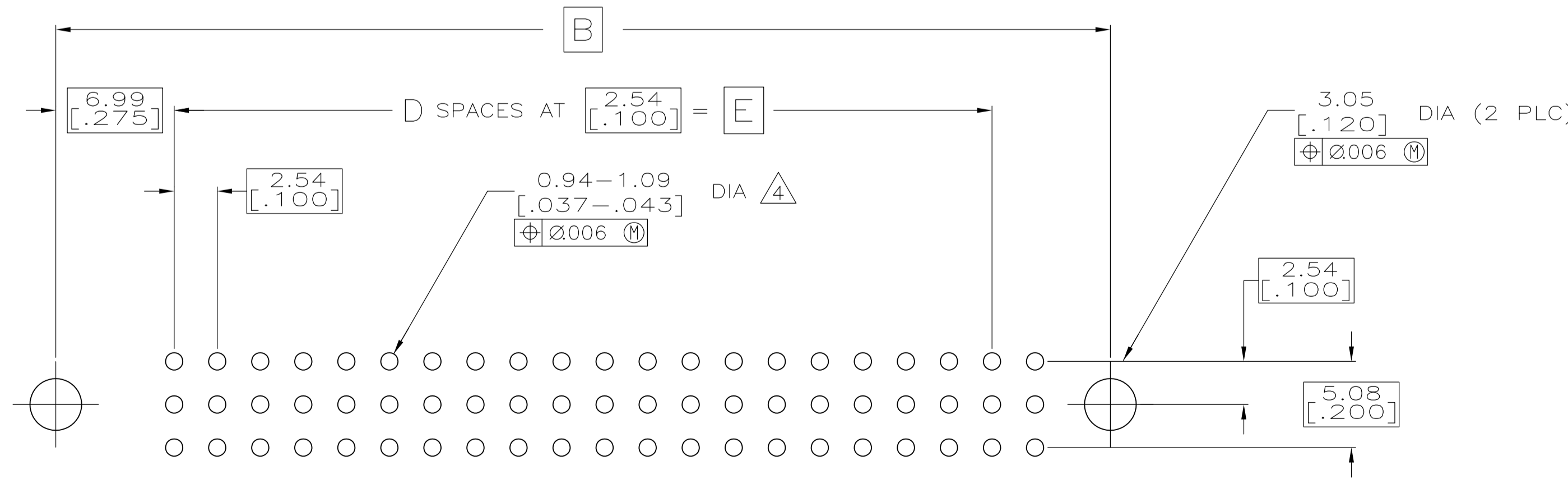
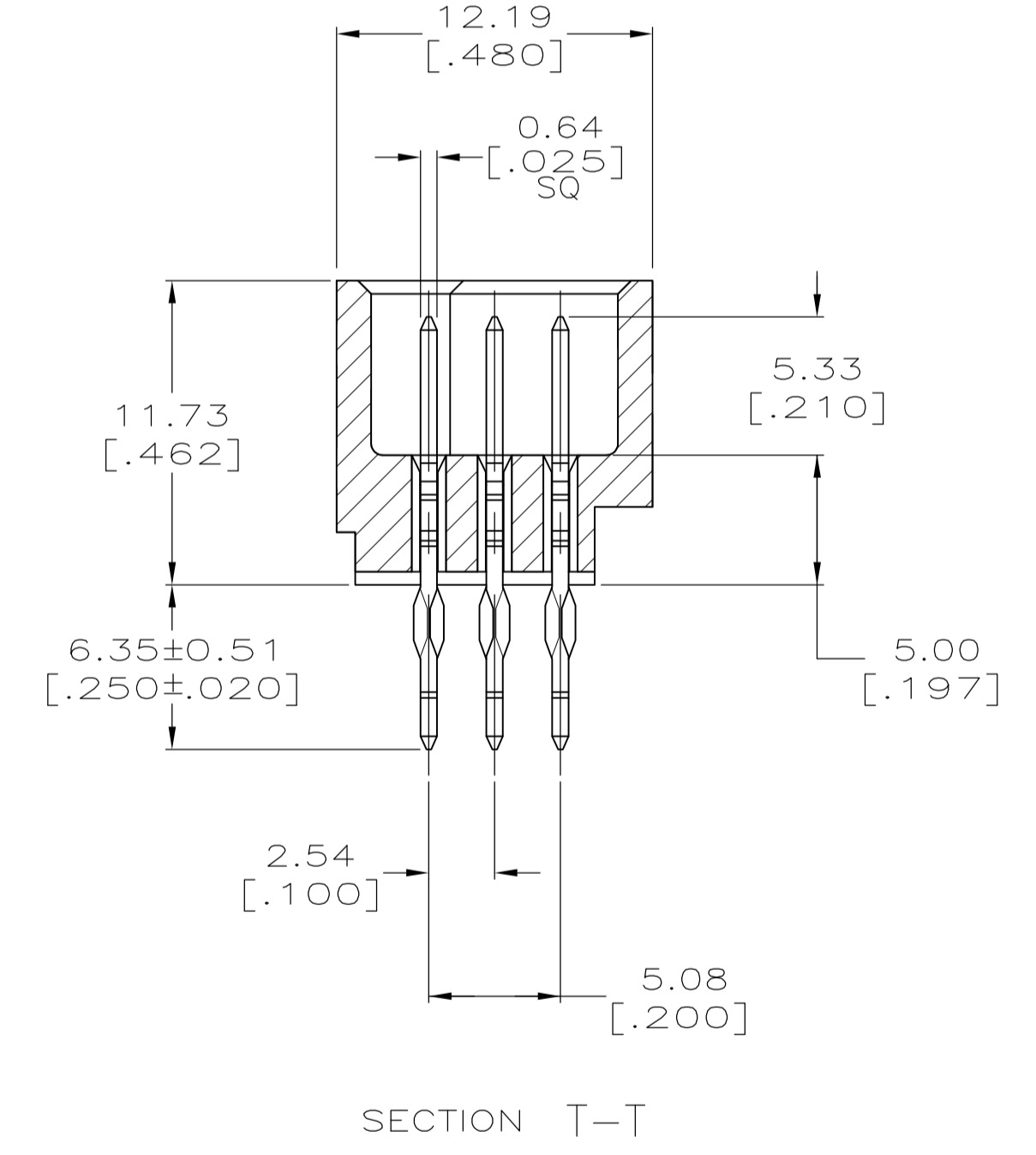
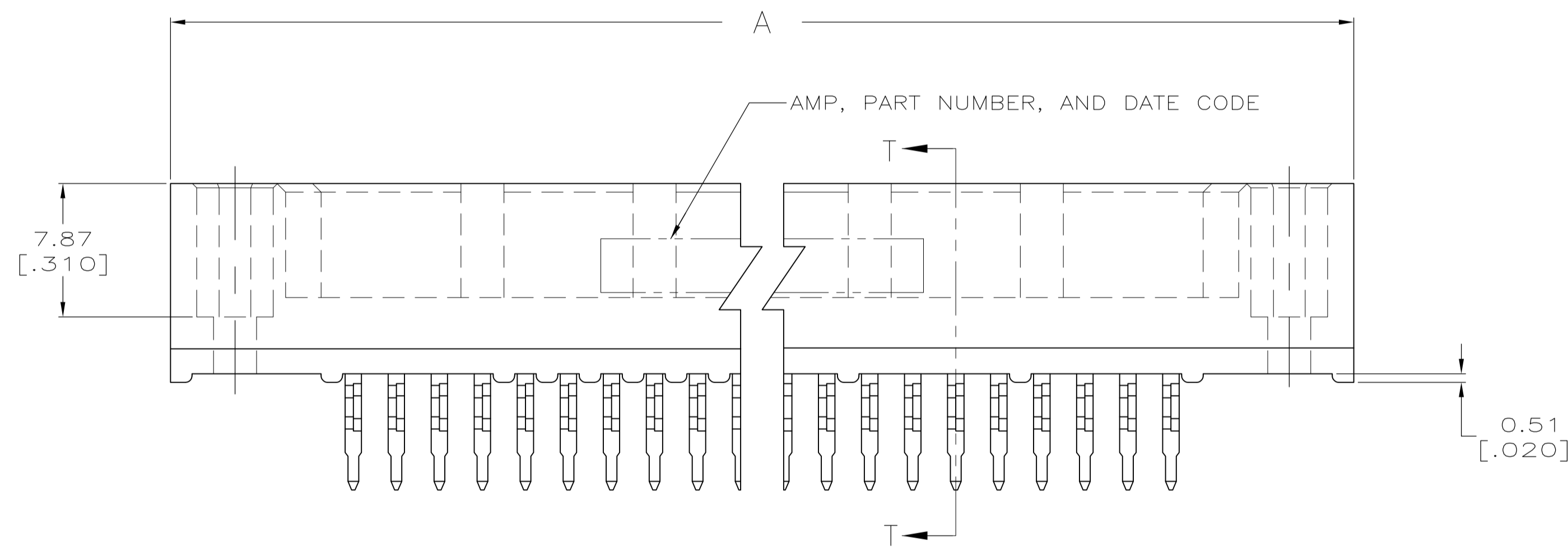
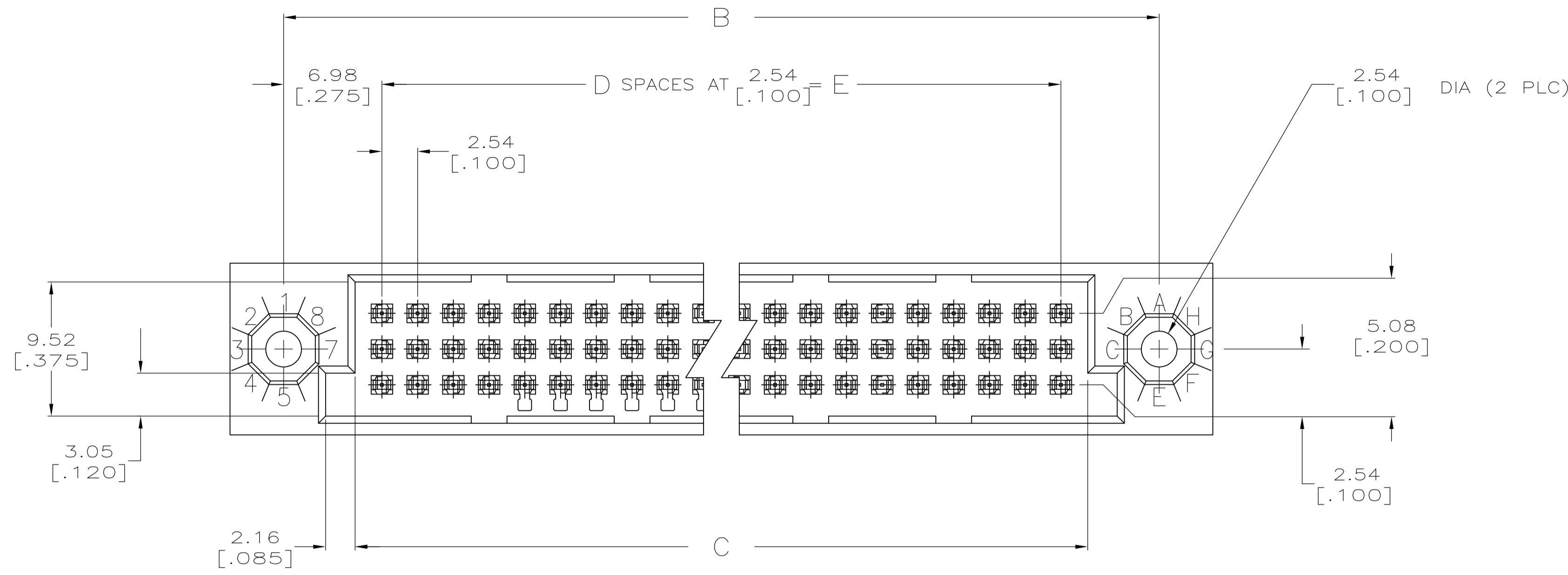
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- [Product Cross Reference](#)
- [Documents & Drawings](#)
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RECOMMENDED P.C. BOARD LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN R.K. SEIFRIED 03/22/90	TE Connectivity
		CHK R.K. SEIFRIED 03/22/90	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	NAME
<ul style="list-style-type: none"> <li>0 PLC ± -</li> <li>1 PLC ± -</li> <li>2 PLC ± -</li> <li>3 PLC ± 0.13 [.005]</li> <li>4 PLC ± -</li> <li>ANGLES ± -</li> </ul>		PRODUCT SPEC	HDI, 3 ROW, PIN ASSEMBLY, 6.35 [.250] LONG ACTION PINS, .00076 [.000030] GOLD PLATE
MATERIAL	FINISH	WEIGHT	RESTRICTED TO
		A1 00779 C=532447	
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 2 REV M3

- ① HOUSING MATERIAL: THERMOPLASTIC, COLOR-BLACK.
- ② CONTACT MATERIAL: PHOSPHOR BRONZE.
- ③ CONTACT FINISH: .00127-.00254 [.000050-.000100] NICKEL UNDERPLATE ALL OVER; .00076 [.000030] GOLD PLATE IN CONTACT AREA, TIN-LEAD PLATED POSTS.
- ④ ACTION PIN POSTS REQUIRE 2.36 [.093] MIN THICK P.C. BOARD. RECOMMENDED P.C. BOARD HOLES ARE 1.151 [.0453] DIA PLATED THRU WITH 0.025-0.076 [.001-.003] COPPER, WITH 0.0076 [.0003] MIN TIN-LEAD PLATING; FINISHED HOLE AFTER PLATING 0.94-1.09 [.037-.043] DIA; AFTER RELOW 0.91-1.09 [.036-.043].
- 5. DIMENSIONS IN BRACKETS ARE IN INCHES.
- ⑥ HOUSINGS WITH CENTER MOUNTING IS RECOMMENDED FOR ASSEMBLIES HAVING 75 CONTACTS PER ROW OR MORE.
- ⑦ PART NUMBER IS OBSOLETE.

①	81.28 [3.200]	-32	85.09 [3.350]	95.25 [3.750]	102.87 [4.050]	-99	2-532447-0
①	X X	X	X	X	X	X	1-532447-9
①	X X	X	X	X	X	X	1-532447-8
⑥⑦	251.46 [9.900]	-99	255.27 [10.050]	265.43 [10.450]	273.05 [10.750]	-300	1-532447-7
⑥⑦	238.76 [9.400]	-94	242.57 [9.550]	252.73 [9.950]	260.35 [10.250]	-285	1-532447-6
⑥⑦	226.06 [8.900]	-89	229.87 [9.050]	240.03 [9.450]	247.65 [9.750]	-270	1-532447-5
⑥⑦	213.36 [8.400]	-84	217.17 [8.550]	227.33 [8.950]	234.95 [9.250]	-255	1-532447-4
⑥⑦	200.66 [7.900]	-79	204.47 [8.050]	214.63 [8.450]	222.25 [8.750]	-240	1-532447-3
	187.96 [7.400]	74	191.77 [7.550]	201.93 [7.950]	209.55 [8.250]	225	1-532447-2
	175.26 [6.900]	69	179.07 [7.050]	189.23 [7.450]	196.85 [7.750]	210	1-532447-1
	162.56 [6.400]	64	166.37 [6.550]	176.53 [6.950]	184.15 [7.250]	195	1-532447-0
	149.86 [5.900]	59	153.67 [6.050]	163.83 [6.450]	171.45 [6.750]	180	532447-9
	137.16 [5.400]	54	140.97 [5.550]	151.13 [5.950]	158.75 [6.250]	165	532447-8
	124.46 [4.900]	49	128.27 [5.050]	138.43 [5.450]	146.05 [5.750]	150	532447-7
①	111.76 [4.400]	-44	115.57 [4.550]	125.73 [4.950]	133.35 [5.250]	+35	532447-6
	99.06 [3.900]	39	102.87 [4.050]	113.03 [4.450]	120.65 [4.750]	120	532447-5
	86.36 [3.400]	34	90.17 [3.550]	100.33 [3.950]	107.95 [4.250]	105	532447-4
	78.74 [3.100]	31	82.55 [3.250]	92.71 [3.650]	100.33 [3.950]	96	532447-3
①	73.66 [2.900]	-29	77.47 [3.050]	87.63 [3.450]	95.25 [3.750]	-90	532447-2
	60.96 [2.400]	24	64.77 [2.550]	74.93 [2.950]	82.55 [3.250]	75	532447-1
	E	D	C	B	A	POSN	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN R.K. SEIFRIED 03/22/90		TE Connectivity	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± 0.13 [.005] 4 PLC ± - ANGLES ± -		R.K. SEIFRIED 03/22/90 APVD -		NAME HDI, 3 ROW, PIN ASSEMBLY, 6.35 [.250] LONG ACTION PINS, .00076 [.000030] GOLD PLATE	
MATERIAL ①②		FINISH ③		SIZE A1 WEIGHT - CUSTOMER DRAWING	
				SCALE 4:1 SHEET 2 OF 2 REV M3	