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1375582-9 Product Details

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1375582-9

TE Internal Number: 1375582-9

Active

View 3D PDF

.100 AMPMODU Headers, Housings & Contacts

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

Product Highlights:

- Connector
- Header
- Connector Style = Plug
- Contact Type = Pin
- 2.54 mm Centerline

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • AMPMODU MTE SURFACE MOUNT. VERTICAL HEADER ASSEMBLY (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • AMPMODU_MTE_INTERCONNECT_SYSTEM_QRG_4-1773458-0 (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version D) • 3D Model (IGES, Version D) • 3D Model (STEP, Version D) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Connector • Connector Type = Header • Post Size (mm [in]) = 0.64 [.025] • PCB Mounting Orientation = Vertical • PCB Mount Style = Surface Mount • PCB Mount Retention = With • PCB Orientation Feature = No • Connector Series = MTE <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 3 • Termination Resistance (mΩ) = 15 • Insulation Resistance (MΩ) = 5,000 • Dielectric Withstanding Voltage (V) = 600 <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination Method to Wire/Cable = Crimp, Insulation Displacement Crimp (IDC) <p>Body Features:</p> <ul style="list-style-type: none"> • Row-to-Row Spacing (mm [in]) = 2.54 [0.100] <p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Pin • Contact Plating, Mating Area, Material = Gold (15) • Solder Tail Contact Plating = Tin-Lead • Contact Base Material = Brass 	<p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 10 • Number of Rows = 1 <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = Not ELV/RoHS compliant • Lead Free Solder Processes = Reflow solder capable to 245°C • UL Flammability Rating = UL 94V-0 • Approved Standards = CSA LR7189, UL E28476 <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C) = -65 - +105 <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Applies To = Printed Circuit Board • Temperature Rating = High <p>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Tape & Reel <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP • Comment = Use Keying Tool No. 91417-1 to remove post for keying.

<p>Housing Features:</p> <ul style="list-style-type: none">• Connector Style = Plug• Centerline (mm [in]) = 2.54 [0.100]• Mating Alignment = With• Mating Alignment Type = Latched• Housing Color = Black• Housing Material = Thermoplastic - GF	
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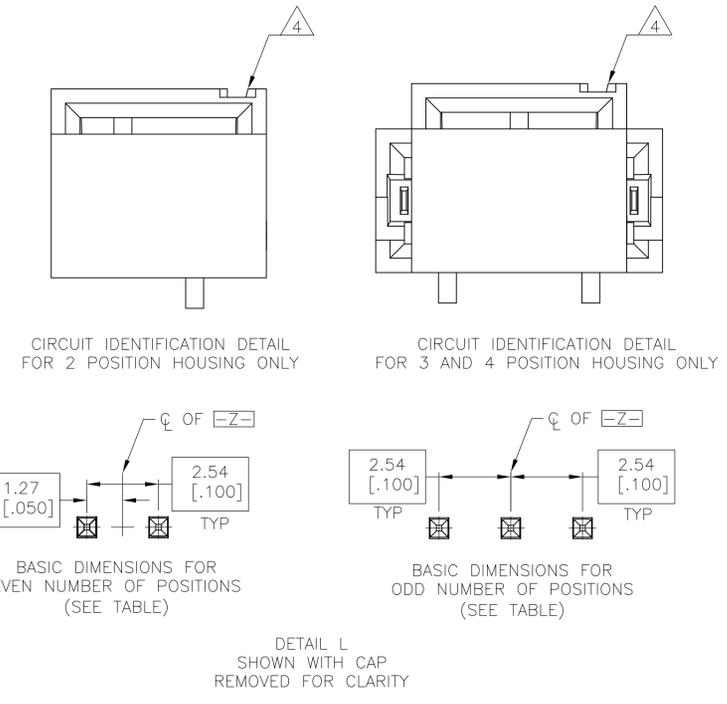
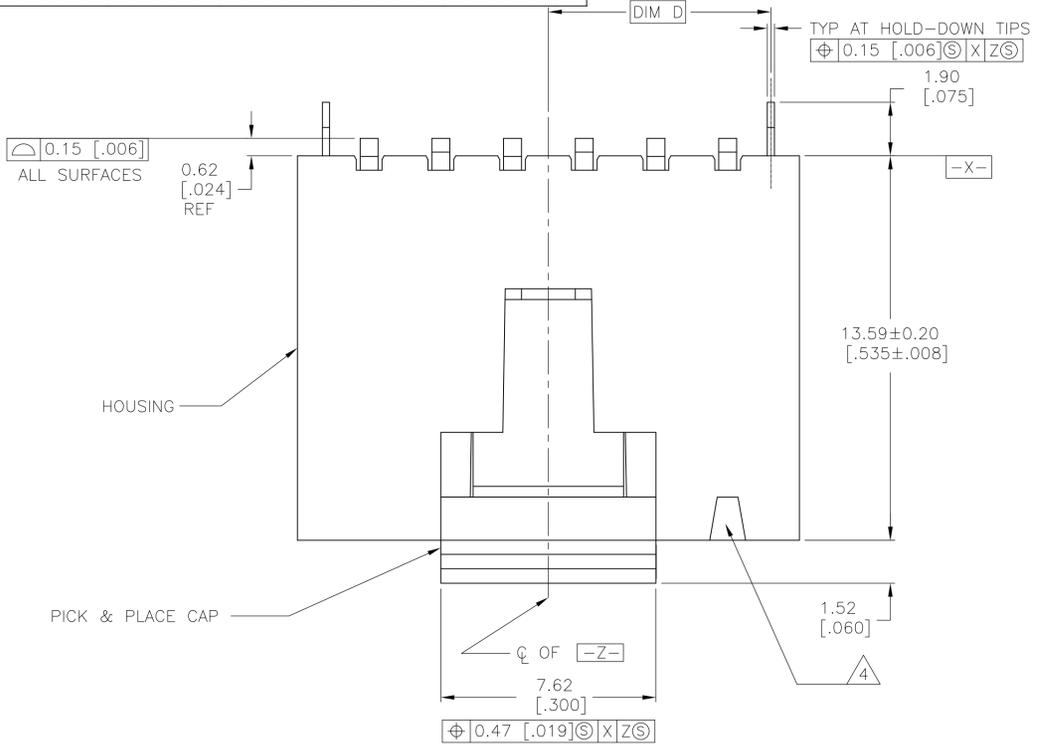
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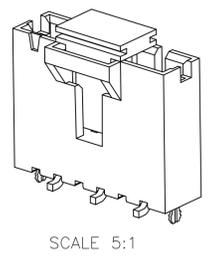
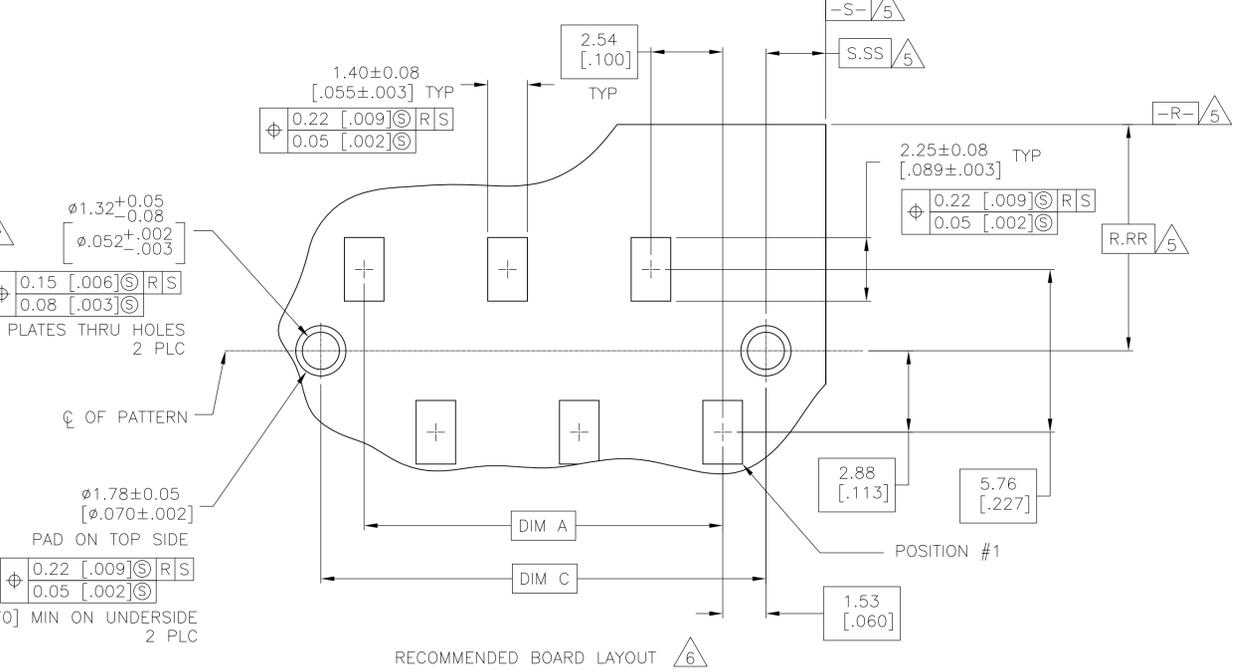
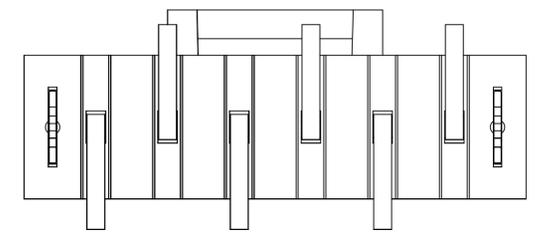
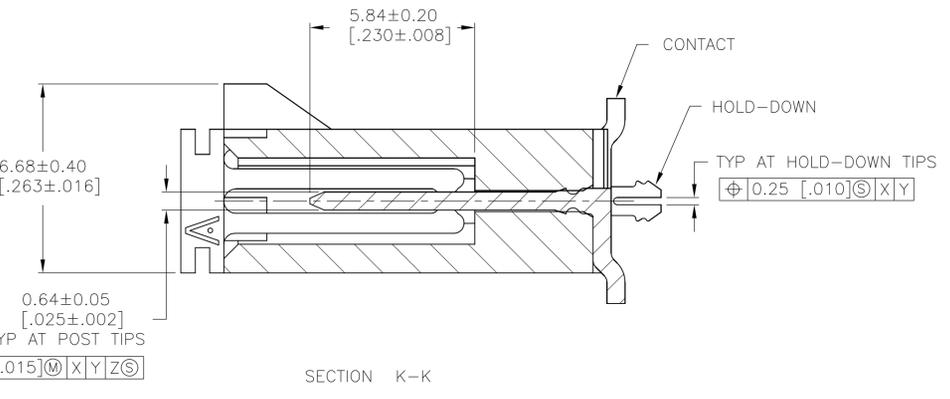
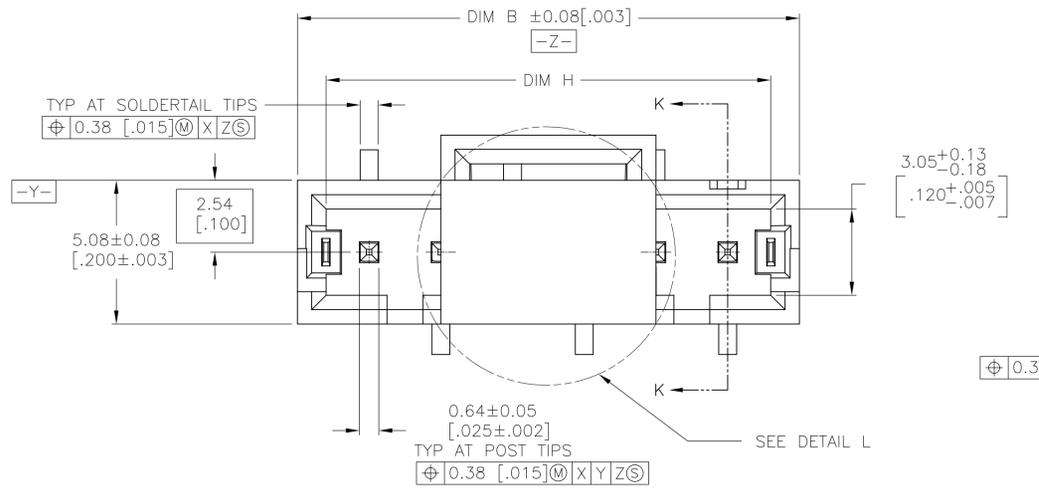
Keep Me Informed



LOC		DIST		REVISIONS			
AD	00	REV	DATE	BY	CHKD	APVD	
E1	REVISED PER ECO-11-004587	11MAR11	RK	HMR			



- PACKAGE: TAPE AND REEL PER EIA-481 SPECIFICATIONS. SEE TABLE FOR TAPE WIDTHS
- MATERIAL: HOUSING AND PICK & PLACE CAP: HIGH TEMPERATURE THERMOPLASTIC, COLOR - BLACK, CONTACTS: BRASS, HOLD-DOWNS: BERYLLIUM COPPER
- FINISH: CONTACTS: 0.000381 [0.000015] GOLD IN CONTACT AREA, 0.00254 [0.001] MATTE TIN-LEAD ON SOLDER TAIL ALL OVER 0.00127 [0.00005] NICKEL HOLD-DOWNS: 0.00381 [0.00015] MATTE TIN-LEAD OVER 0.00127 [0.00005] NICKEL
- CIRCUIT POSITION #1 IDENTIFICATION MARK
- DATUMS AND BASIC DIMENSIONS ARE ESTABLISHED BY CUSTOMER
- RECOMMENDED PC BOARD THICKNESS OF 1.57 [0.062]
- USE 1.510 ± 0.025 [0.0595 ± 0.010] DRILLED HOLE (#53 DRILL), FINISH TO BE TIN-LEAD OVER 0.02 [0.0008] MIN COPPER
- FINISH: CONTACTS: 0.000381 [0.000015] GOLD IN CONTACT AREA, 0.00254 [0.001] MATTE TIN ON SOLDER TAIL ALL OVER 0.00127 [0.00005] NICKEL HOLD-DOWNS: 0.00381 [0.00015] MATTE TIN OVER 0.00127 [0.00005] NICKEL



THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN J. MOSER 26OCT99	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK L. BRESKOSKY 26OCT99		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD K. WRIGHT 27JUN00	NAME AMPMODU MTE SURFACE MOUNT. VERTICAL HEADER ASSEMBLY	
0 PLC ± -	1 PLC ± -	PRODUCT SPEC 108-25034-2	APPLICATION SPEC 114-25026	
2 PLC ± 0.13 [0.005]	3 PLC ± -	SIZE A1	CAGE CODE 00779	DRAWING NO. 1375582
4 PLC ± -	ANGLES ± -	WEIGHT -	CUSTOMER DRAWING	
MATERIAL 2		FINISH SEE TABLE		SCALE 8:1 SHEET 1 OF 2 REV E1

△	88	3.465	64.01	2.530	32.01	1.260	64.02	2.520	66.04	2.600	60.96	2.400	25	7-1375582-4
△	88	3.465	61.47	2.420	30.74	1.210	61.48	2.420	63.50	2.500	58.42	2.300	24	7-1375582-3
△	88	3.465	58.93	2.320	29.47	1.160	58.94	2.320	60.96	2.400	55.88	2.200	23	7-1375582-2
△	88	3.465	56.39	2.220	28.20	1.110	56.40	2.220	58.42	2.300	53.34	2.100	22	7-1375582-1
△	88	3.465	53.85	2.120	26.93	1.060	53.86	2.120	55.88	2.200	50.80	2.000	21	7-1375582-0
△	72	2.835	51.31	2.020	25.66	1.010	51.32	2.020	53.34	2.100	48.26	1.900	20	6-1375582-9
△	72	2.835	48.77	1.920	24.39	.960	48.78	1.920	50.80	2.000	45.72	1.800	19	6-1375582-8
△	72	2.835	46.23	1.820	23.12	.910	46.24	1.820	48.26	1.900	43.18	1.700	18	6-1375582-7
△	72	2.835	43.69	1.720	21.85	.860	43.70	1.720	45.72	1.800	40.64	1.600	17	6-1375582-6
△	72	2.835	41.15	1.620	20.58	.810	41.16	1.620	43.18	1.700	38.10	1.500	16	6-1375582-5
△	56	2.205	38.61	1.520	19.31	.760	38.62	1.520	40.64	1.600	35.56	1.400	15	6-1375582-4
△	56	2.205	36.07	1.420	18.04	.710	36.08	1.420	38.10	1.500	33.02	1.300	14	6-1375582-3
△	56	2.205	33.53	1.320	16.77	.660	33.54	1.320	35.56	1.400	30.48	1.200	13	6-1375582-2
△	56	2.205	30.99	1.220	15.50	.610	31.00	1.220	33.02	1.300	27.94	1.100	12	6-1375582-1
△	56	2.205	28.45	1.120	14.23	.560	28.46	1.120	30.48	1.200	25.40	1.000	11	6-1375582-0
△	56	2.205	25.91	1.020	12.96	.510	25.92	1.020	27.94	1.100	22.86	.900	10	5-1375582-9
△	44	1.732	23.37	.920	11.69	.460	23.38	.920	25.40	1.000	20.32	.800	9	5-1375582-8
△	44	1.732	20.83	.820	10.42	.410	20.84	.820	22.86	.900	17.78	.700	8	5-1375582-7
△	44	1.732	18.29	.720	9.15	.360	18.30	.720	20.32	.800	15.24	.600	7	5-1375582-6
△	32	1.260	15.75	.620	7.88	.310	15.76	.620	17.78	.700	12.70	.500	6	5-1375582-5
△	32	1.260	13.21	.520	6.61	.260	13.22	.520	15.24	.600	10.16	.400	5	5-1375582-4
△	32	1.260	10.67	.420	5.34	.210	10.68	.420	12.70	.500	7.62	.300	4	5-1375582-3
△	32	1.260	8.13	.320	4.07	.160	8.14	.320	10.16	.400	5.08	.200	3	5-1375582-2
△	24	.945	5.59	.220	2.80	.110	5.60	.220	7.62	.300	2.54	.100	2	5-1375582-1
△	88	3.465	64.01	2.530	32.01	1.260	64.02	2.520	66.04	2.600	60.96	2.400	25	2-1375582-4
△	88	3.465	61.47	2.420	30.74	1.210	61.48	2.420	63.50	2.500	58.42	2.300	24	2-1375582-3
△	88	3.465	58.93	2.320	29.47	1.160	58.94	2.320	60.96	2.400	55.88	2.200	23	2-1375582-2
△	88	3.465	56.39	2.220	28.20	1.110	56.40	2.220	58.42	2.300	53.34	2.100	22	2-1375582-1
△	88	3.465	53.85	2.120	26.93	1.060	53.86	2.120	55.88	2.200	50.80	2.000	21	2-1375582-0
△	72	2.835	51.31	2.020	25.66	1.010	51.32	2.020	53.34	2.100	48.26	1.900	20	1-1375582-9
△	72	2.835	48.77	1.920	24.39	.960	48.78	1.920	50.80	2.000	45.72	1.800	19	1-1375582-8
△	72	2.835	46.23	1.820	23.12	.910	46.24	1.820	48.26	1.900	43.18	1.700	18	1-1375582-7
△	72	2.835	43.69	1.720	21.85	.860	43.70	1.720	45.72	1.800	40.64	1.600	17	1-1375582-6
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△	56	2.205	36.07	1.420	18.04	.710	36.08	1.420	38.10	1.500	33.02	1.300	14	1-1375582-3
△	56	2.205	33.53	1.320	16.77	.660	33.54	1.320	35.56	1.400	30.48	1.200	13	1-1375582-2
△	56	2.205	30.99	1.220	15.50	.610	31.00	1.220	33.02	1.300	27.94	1.100	12	1-1375582-1
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△	56	2.205	25.91	1.020	12.96	.510	25.92	1.020	27.94	1.100	22.86	.900	10	1375582-9
△	44	1.732	23.37	.920	11.69	.460	23.38	.920	25.40	1.000	20.32	.800	9	1375582-8
△	44	1.732	20.83	.820	10.42	.410	20.84	.820	22.86	.900	17.78	.700	8	1375582-7
△	44	1.732	18.29	.720	9.15	.360	18.30	.720	20.32	.800	15.24	.600	7	1375582-6
△	32	1.260	15.75	.620	7.88	.310	15.76	.620	17.78	.700	12.70	.500	6	1375582-5
△	32	1.260	13.21	.520	6.61	.260	13.22	.520	15.24	.600	10.16	.400	5	1375582-4
△	32	1.260	10.67	.420	5.34	.210	10.68	.420	12.70	.500	7.62	.300	4	1375582-3
△	32	1.260	8.13	.320	4.07	.160	8.14	.320	10.16	.400	5.08	.200	3	1375582-2
△	24	.945	5.59	.220	2.80	.110	5.60	.220	7.62	.300	2.54	.100	2	1375582-1
PLATING	TAPE WIDTH	H		D		C		B		A		NO OF POSN	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN J. MOSER 260CT99	 TE Connectivity	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CIK L. BRESKOSKY 260CT99		
DIMENSIONS: mm [INCHES]	0. PLC ± -	APVD K. WRIGHT 27JUN00	NAME	
	1. PLC ± 0.13 [005]	PRODUCT SPEC		
	2. PLC ± -	108-25034-2		
	3. PLC ± -	APPLICATION SPEC		
	4. PLC ± -	114-25026		
	ANGLES ± -	SIZE	CAGE CODE	DRAWING NO
MATERIAL	FINISH	WEIGHT	A1	00779
	SEE TABLE	SCALE 8:1		SHEET 2 OF 2
		CUSTOMER DRAWING		REV E1