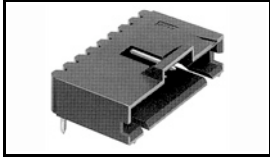


5-103635-1 Product Details

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5-103635-1

TE Internal Number: 5-103635-1

 Active

[View 3D PDF](#)

.100 AMPMODU Headers, Housings & Contacts

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

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

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [HDR ASSY, RTANG, SINGLE ROW 2.54\[.100\] C/L , 0.64\[.0... \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- [AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT \(PDF, English\)](#)
- [AMPMODU_MTE_INTERCONNECT_SYSTEM_QRG_4-1773458-0 \(PDF, English\)](#)

Product Specifications:

- None Available

Application Specifications:

- [AMPMODU MTE Interconnection System \(PDF, English\)](#)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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

Product Type Features:

- Product Type = Connector
- Connector Type = Header
- Post Size (mm [in]) = 0.64 [.025]
- PCB Mounting Orientation = Right Angle
- PCB Mount Style = Through Hole
- PCB Mount Retention = Without
- PCB Orientation Feature = No
- Connector Series = MTE

Electrical Characteristics:

- Contact - Rated Current (A) = 3
- Termination Resistance (mΩ) = 15
- Insulation Resistance (MΩ) = 5,000

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = With
- Mating Alignment Type = Latched
- Housing Color = Black
- Housing Material = Thermoplastic - GF

Configuration Features:

- Number of Positions = 2
- Number of Rows = 1

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV

- Dielectric Withstanding Voltage (V) = 600

Termination Features:

- [Termination Method to Wire/Cable](#) = Crimp, Insulation Displacement Crimp (IDC)

Body Features:

- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]

Contact Features:

- Contact Type = Pin
- [Contact Plating, Mating Area, Material](#) = Gold (15)
- Solder Tail Contact Plating = Tin
- Contact Base Material = Brass
- Contact Shape = Square

compliant

- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Flammability Rating = UL 94V-0
- Approved Standards = CSA LR7189, UL E28476

Environmental:

- Operating Temperature (°C) = -65 - +105

Conditions for Usage:

- [Applies To](#) = Printed Circuit Board

Packaging Features:

- Packaging Method = Tube

Other:

- Brand = AMP
- Comment = Use Keying Tool No. 91417-1 to remove post for keying.

Corporate Information

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- [AODA Accessibility Policy](#)
- [AODA Multi-Year Accessibility Plan](#)

Quick Links

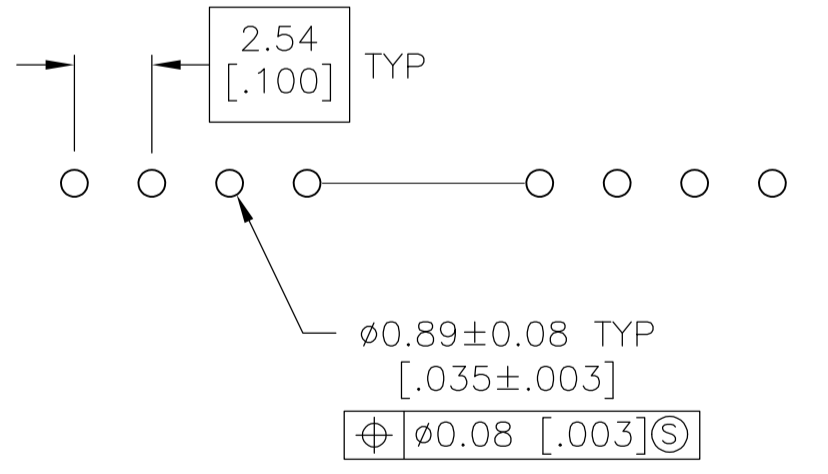
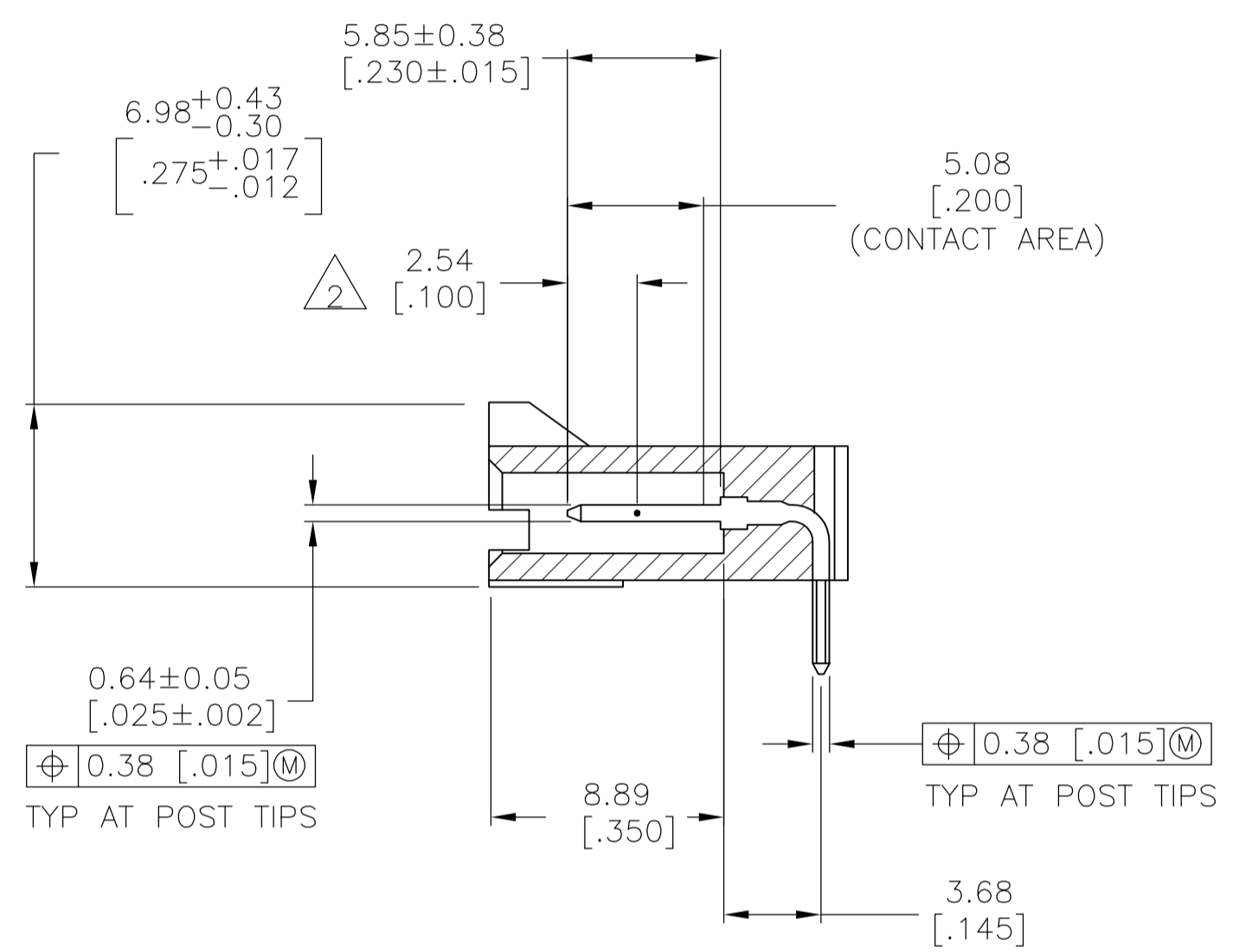
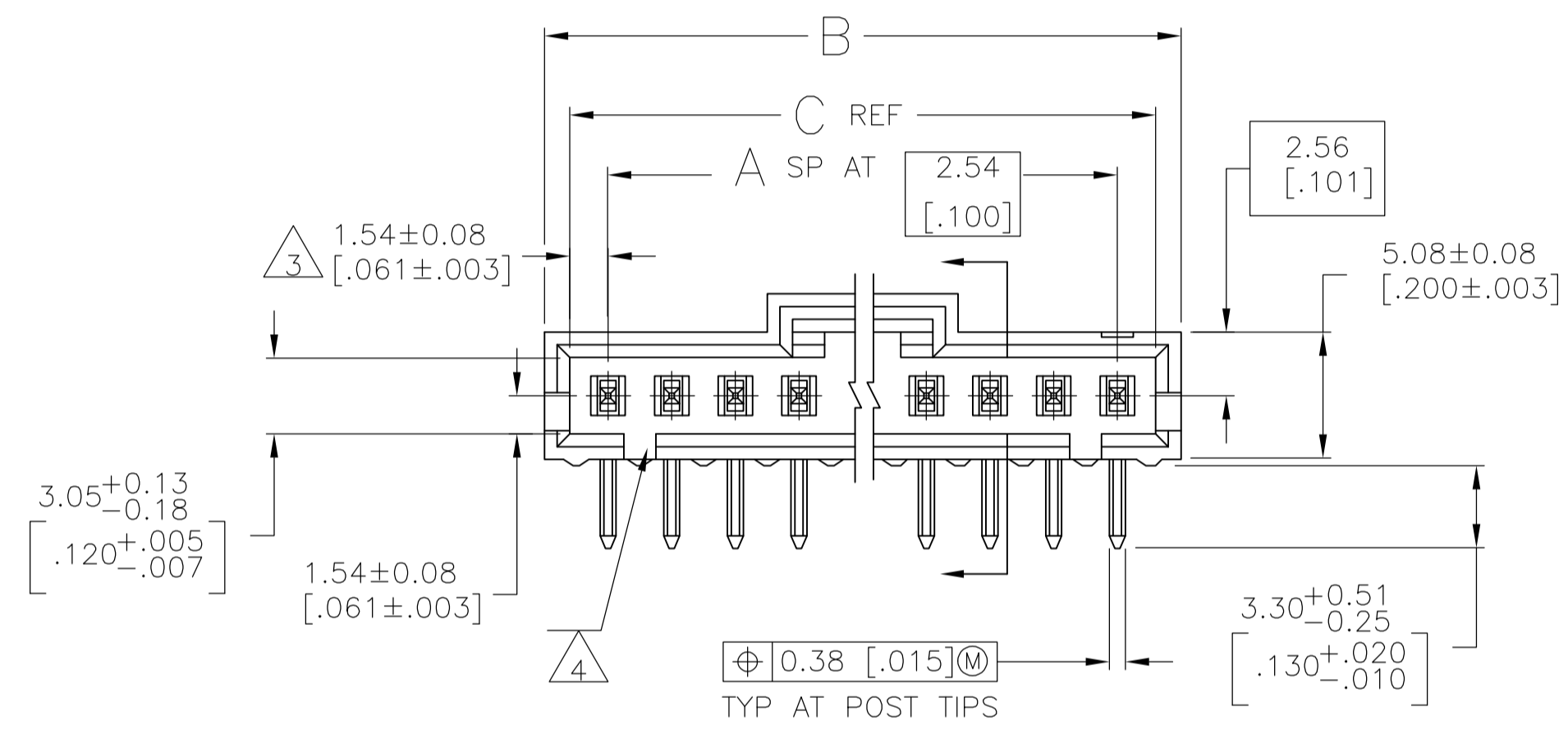
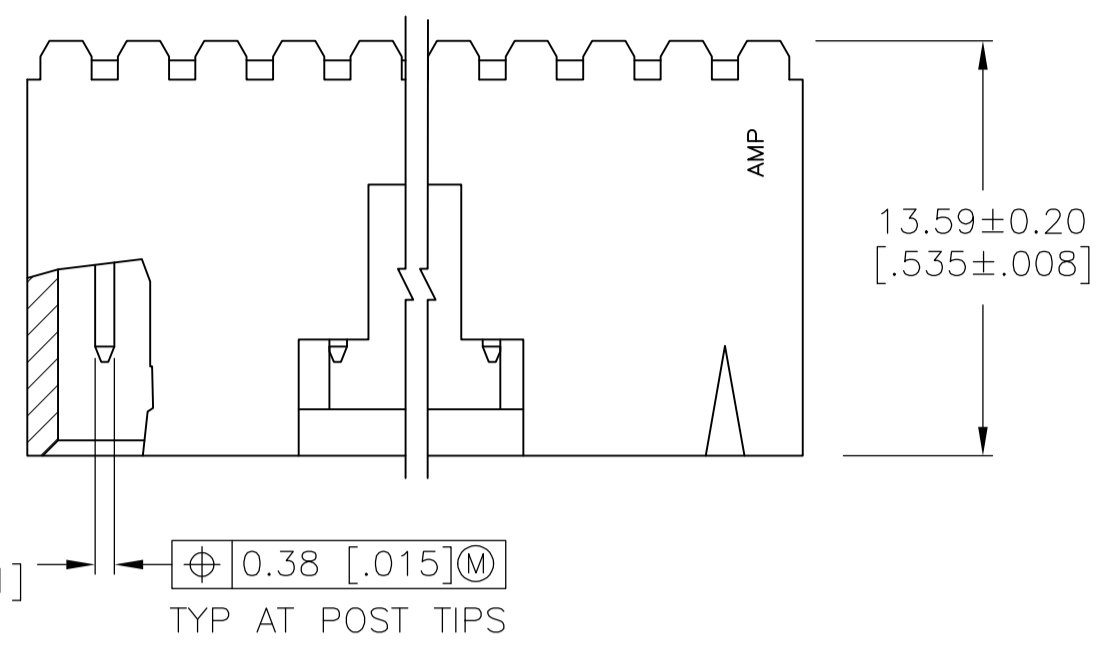
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RECOMMENDED HOLE LAYOUT

- 1 .00038 [.000015] GOLD IN THE CONTACT AREA, .00254 [.000100] MATTE TIN-LEAD ON THE REMAINDER OF CONTACT, ALL OVER .00127 [.000050] NICKEL.
- 2 POINT OF MEASUREMENT FOR PLATING THICKNESS.
- 3 THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND THE HOUSING.
- 4 ON ASSEMBLIES WITH FOUR OR MORE POSITIONS, TWO POLARIZATION SLOTS. ON ASSEMBLIES WITH TWO OR THREE POSITIONS, ONE POLARIZATION SLOT.
- 5 .00038 [.000015] GOLD IN THE CONTACT AREA, .00254 [.000100] MATTE TIN ON THE REMAINDER OF CONTACT, ALL OVER .00127 [.000050] NICKEL.
- 6 HIGH TEMPERATURE CONFIGURATION
- 7 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

REV	DESCRIPTION	DATE	DN	APVD	PART NO.	
1		64.01 [2.520]	66.04 [2.600]	24	25	2-103635-4
1		61.47 [2.420]	63.50 [2.500]	23	24	2-103635-3
1		58.93 [2.320]	60.96 [2.400]	22	23	2-103635-2
1		56.39 [2.220]	58.42 [2.300]	21	22	2-103635-1
1		53.85 [2.120]	55.88 [2.200]	20	21	2-103635-0
1		51.31 [2.020]	53.34 [2.100]	19	20	1-103635-9
1		48.77 [1.920]	50.80 [2.000]	18	19	1-103635-8
1		46.23 [1.820]	48.26 [1.900]	17	18	1-103635-7
1		43.69 [1.720]	45.72 [1.800]	16	17	1-103635-6
1		41.15 [1.620]	43.18 [1.700]	15	16	1-103635-5
1		38.61 [1.520]	40.64 [1.600]	14	15	1-103635-4
1		36.07 [1.420]	38.10 [1.500]	13	14	1-103635-3
1		33.53 [1.320]	35.56 [1.400]	12	13	1-103635-2
1		30.99 [1.220]	33.02 [1.300]	11	12	1-103635-1
1		28.45 [1.120]	30.48 [1.200]	10	11	1-103635-0
1		25.91 [1.020]	27.94 [1.100]	9	10	103635-9
1		23.37 [.920]	25.40 [1.000]	8	9	103635-8
1		20.83 [.820]	22.86 [.900]	7	8	103635-7
1		18.29 [.720]	20.32 [.800]	6	7	103635-6
1		15.75 [.620]	17.78 [.700]	5	6	103635-5
1		13.21 [.520]	15.24 [.600]	4	5	103635-4
1		10.67 [.420]	12.70 [.500]	3	4	103635-3
1		8.13 [.320]	10.16 [.400]	2	3	103635-2
1		5.59 [.220]	7.62 [.300]	1	2	103635-1
	PLATING	C	B	A	NO. OF POSN	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIN S. SHUEY 5-3-91
 CIRK L. CASTAGNA 27-3-91

TE Connectivity

APVD L. CASTAGNA 27-3-91

NAME HDR ASSY, RTANG, SINGLE ROW
 PRODUCT SPEC 2.54[.100] C/L, 0.64[.025] SQ POST,
 APPLICATION SPEC 108-25034 WITH PLZN & LATCHING, AMPMODU MTE

SIZE A1 CAGE CODE 114-25026 DRAWING NO. 00779 C=103635 RESTRICTED TO

WEIGHT --


MATERIAL HOUSING: BISMUTH
 TUNGSTEN
 COPPER-BRASS
 CONTACTS: BRASS

FINISH SEE TABLE

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV S2

LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION	DATE	DNW	APVD		
-	-	SEE SHEET 1	-	-	-	-	-

	△6	△5	64.01 [2.520]	66.04 [2.600]	24	25	7-103635-4		
	△6	△5	61.47 [2.420]	63.50 [2.500]	23	24	7-103635-3		
△7	△6	△5	58.93 [2.320]	60.96 [2.400]	22	23	7-103635-2		
	△6	△5	56.39 [2.220]	58.42 [2.300]	21	22	7-103635-1		
△7	△6	△5	53.85 [2.120]	55.88 [2.200]	20	21	7-103635-0		
	△6	△5	51.31 [2.020]	53.34 [2.100]	19	20	6-103635-9		
△7	△6	△5	48.77 [1.920]	50.80 [2.000]	18	19	6-103635-8		
	△6	△5	46.23 [1.820]	48.26 [1.900]	17	18	6-103635-7		
	△6	△5	43.69 [1.720]	45.72 [1.800]	16	17	6-103635-6		
	△6	△5	41.15 [1.620]	43.18 [1.700]	15	16	6-103635-5		
	△6	△5	38.61 [1.520]	40.64 [1.600]	14	15	6-103635-4		
	△6	△5	36.07 [1.420]	38.10 [1.500]	13	14	6-103635-3		
	△6	△5	33.53 [1.320]	35.56 [1.400]	12	13	6-103635-2		
	△6	△5	30.99 [1.220]	33.02 [1.300]	11	12	6-103635-1		
	△6	△5	28.45 [1.120]	30.48 [1.200]	10	11	6-103635-0		
	△6	△5	25.91 [1.020]	27.94 [1.100]	9	10	5-103635-9		
	△6	△5	23.37 [.920]	25.40 [1.000]	8	9	5-103635-8		
	△6	△5	20.83 [.820]	22.86 [.900]	7	8	5-103635-7		
	△6	△5	18.29 [.720]	20.32 [.800]	6	7	5-103635-6		
	△6	△5	15.75 [.620]	17.78 [.700]	5	6	5-103635-5		
	△6	△5	13.21 [.520]	15.24 [.600]	4	5	5-103635-4		
	△6	△5	10.67 [.420]	12.70 [.500]	3	4	5-103635-3		
	△6	△5	8.13 [.320]	10.16 [.400]	2	3	5-103635-2		
	△6	△5	5.59 [.220]	7.62 [.300]	1	2	5-103635-1		
			REMARKS	PLATING	C	B	A	NO. OF POSN	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DNW S. SHUEY 5-3-91	 TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK L. CASTAGNA 27-3-91				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD L. CASTAGNA 27-3-91	NAME			
0. PLC ± - 1. PLC ± - 2. PLC ± - 3. PLC ± - 4. PLC ± - ANGLES ± -		PRODUCT SPEC 108-25034 APPLICATION SPEC 114-25026		HDR ASSY, RTANG, SINGLE ROW 2.54[.100] C/L, 0.64[.025] SQ POST, WITH PLZN & LATCHING, AMPMODU MTE		
MATERIAL: SEE TABLE		WEIGHT	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
			A1	00779	103635	
		CUSTOMER DRAWING		SCALE	1:1	SHEET 2 OF 2