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, 19

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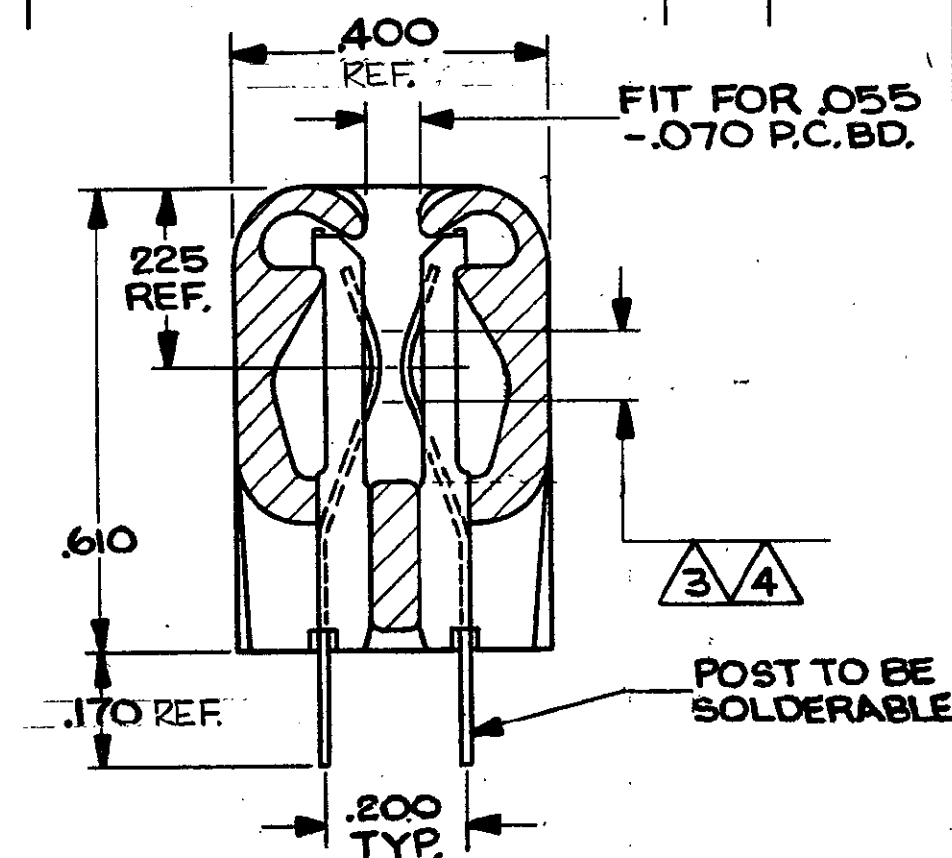
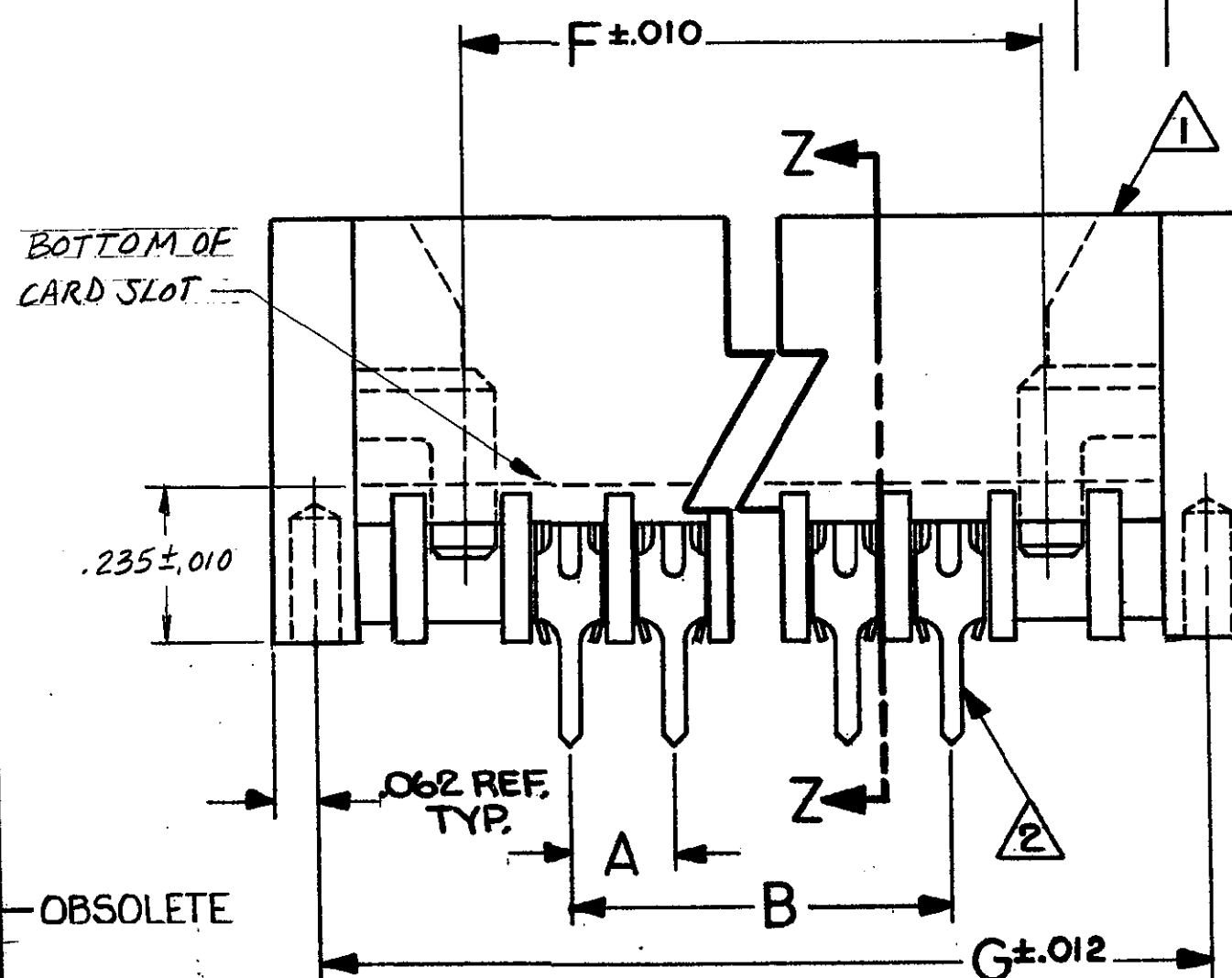
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| PART NUMBER | NO. OF POS. | A    | B     | F     | G     | FINISH |
|-------------|-------------|------|-------|-------|-------|--------|
| 583715 -1   | 3           | .100 | .200  | .400  | .734  | 3      |
| -2          | 4           |      | .300  | .500  | .834  |        |
| -3          | 5           |      | .400  | .600  | .934  |        |
| -4          | 6           |      | .500  | .700  | 1.034 |        |
| -5          | 7           |      | .600  | .800  | 1.134 |        |
| -6          | 8           |      | .700  | .900  | 1.234 |        |
| -7          | 9           |      | .800  | 1.000 | 1.334 |        |
| -8          | 10          |      | .900  | 1.100 | 1.434 |        |
| -9          | 11          |      | 1.000 | 1.200 | 1.534 |        |
| 1-583715-0  | 12          |      | 1.100 | 1.300 | 1.634 |        |
| 1-1         | 13          |      | 1.200 | 1.400 | 1.734 |        |
| 1-2         | 14          |      | 1.300 | 1.500 | 1.834 |        |
| 1-3         | 15          |      | 1.400 | 1.600 | 1.934 |        |
| 1-4         | 16          |      | 1.500 | 1.700 | 2.034 |        |
| 1-5         | 17          |      | 1.600 | 1.800 | 2.134 |        |
| 1-6         | 18          |      | 1.700 | 1.900 | 2.234 |        |
| 1-7         | 19          |      | 1.800 | 2.000 | 2.334 |        |
| 1-8         | 20          |      | 1.900 | 2.100 | 2.434 |        |
| 1-9         | 21          |      | 2.000 | 2.200 | 2.534 |        |
| 2-583715-0  | 22          |      | 2.100 | 2.300 | 2.634 |        |
| 2-1         | 23          |      | 2.200 | 2.400 | 2.734 |        |
| 2-2         | 24          |      | 2.300 | 2.500 | 2.834 |        |
| 2-3         | 25          |      | 2.400 | 2.600 | 2.934 |        |
| 2-4         | 26          |      | 2.500 | 2.700 | 3.034 |        |
| 2-5         | 27          |      | 2.600 | 2.800 | 3.134 |        |
| 2-6         | 28          |      | 2.700 | 2.900 | 3.234 |        |
| 2-7         | 29          |      | 2.800 | 3.000 | 3.334 |        |
| 2-8         | 30          |      | 2.900 | 3.100 | 3.434 |        |
| 2-9         | 31          |      | 3.000 | 3.200 | 3.534 |        |
| 3-583715-0  | 32          |      | 3.100 | 3.300 | 3.634 |        |
| 3-1         | 33          |      | 3.200 | 3.400 | 3.734 |        |
| 3-2         | 34          |      | 3.300 | 3.500 | 3.834 |        |
| 3-3         | 35          |      | 3.400 | 3.600 | 3.934 |        |
| 3-4         | 36          |      | 3.500 | 3.700 | 4.034 |        |
| 3-5         | 37          |      | 3.600 | 3.800 | 4.134 |        |
| 3-6         | 38          |      | 3.700 | 3.900 | 4.234 |        |
| 3-7         | 39          |      | 3.800 | 4.000 | 4.334 |        |
| 3-8         | 40          |      | 3.900 | 4.100 | 4.434 |        |
| 3-9         | 41          |      | 4.000 | 4.200 | 4.534 |        |
| 4-583715-0  | 42          |      | 4.100 | 4.300 | 4.634 |        |
| 4-1         | 43          |      | 4.200 | 4.400 | 4.734 |        |
| 4-2         | 44          |      | 4.300 | 4.500 | 4.834 |        |
| 4-3         | 45          |      | 4.400 | 4.600 | 4.934 |        |
| 4-4         | 46          |      | 4.500 | 4.700 | 5.034 |        |
| 4-5         | 47          |      | 4.600 | 4.800 | 5.134 |        |
| 4-6         | 48          |      | 4.700 | 4.900 | 5.234 |        |
| 4-7         | 49          |      | 4.800 | 5.000 | 5.334 |        |
| 4-8         | 50          |      | 4.900 | 5.100 | 5.434 |        |
| 4-9         | 73          |      | 7.200 | 7.400 | 7.734 |        |
| 5-583715-0  | 60          |      | 5.900 | 6.100 | 6.434 |        |
| 5-1         | 72          |      | 7.100 | 7.300 | 7.634 |        |
| 5-2         | 74          |      | 7.300 | 7.500 | 7.834 |        |
| 5-3         | 65          |      | 6.400 | 6.600 | 6.934 |        |
| 5-4         | 70          |      | 6.900 | 7.100 | 7.434 |        |
| 5-5         | 5           |      | .400  | .600  | .934  |        |
| 5-6         | 55          |      | 5.400 | 5.600 | 5.934 |        |
| 5-7         | 80          |      | 7.900 | 8.100 | 8.434 |        |
| 5-8         | 61          |      | 6.000 | 6.200 | 6.534 |        |
| 5-9         | 55          |      | 5.400 | 5.600 | 5.934 |        |
| 6-583715-0  | 58          | .100 | 5.700 | 5.900 | 6.234 |        |

| PART NUMBER | NO. OF POS. | A    | B     | F     | G     | FINISH |
|-------------|-------------|------|-------|-------|-------|--------|
| 6-583715-1  | 17          | .100 | 1.600 | 1.800 | 2.134 | 4      |

| REVISIONS |   |      |     |                            |         |          |
|-----------|---|------|-----|----------------------------|---------|----------|
| P         | F | ZONE | LTR | DESCRIPTION                | DATE    | APPROVED |
|           |   | E    |     | REDRAW W/O CHANGE 8070     | 10-82   |          |
| ✓         |   | F    |     | REV PER AD1583             | 3/12/87 | OP LEW   |
| ✓         |   | G    |     | REV PER AD 1633            | 6-87    | LEW      |
| ✓         |   | H    |     | REV PER AD 1698            | 8-87    | LEW      |
| ✓         |   | J    |     | REV PER AD 1868            | 3/88    | LEW      |
| ✓         |   | K    |     | REV PER AD 2116            | 3/88    | LEW      |
| ✓         |   | L    |     | REL 6--1 PER 87-5193-291-1 | 4/88    | LEW/NWR  |
| ✓         | ✓ | M    |     | REV PER AD 2949            | 11/88   | LEW/NWR  |
| ✓         | ✓ | N    |     | REV PER AD 3150            | 2/89    | LEW/NWR  |
| ✓         | ✓ | P    |     | REV PER AD3493             | 3/90    | LEW NWR  |
| ✓         |   | R    |     | REV 0010-0252-93           | 3-8-93  | PP CMA   |
| ✓         |   | S    |     | REV PER 0010-1602-95       | 1-96    | AB.1     |
|           |   | T    |     | REV PER EC 0320-209-97     | 7-97    | NS       |



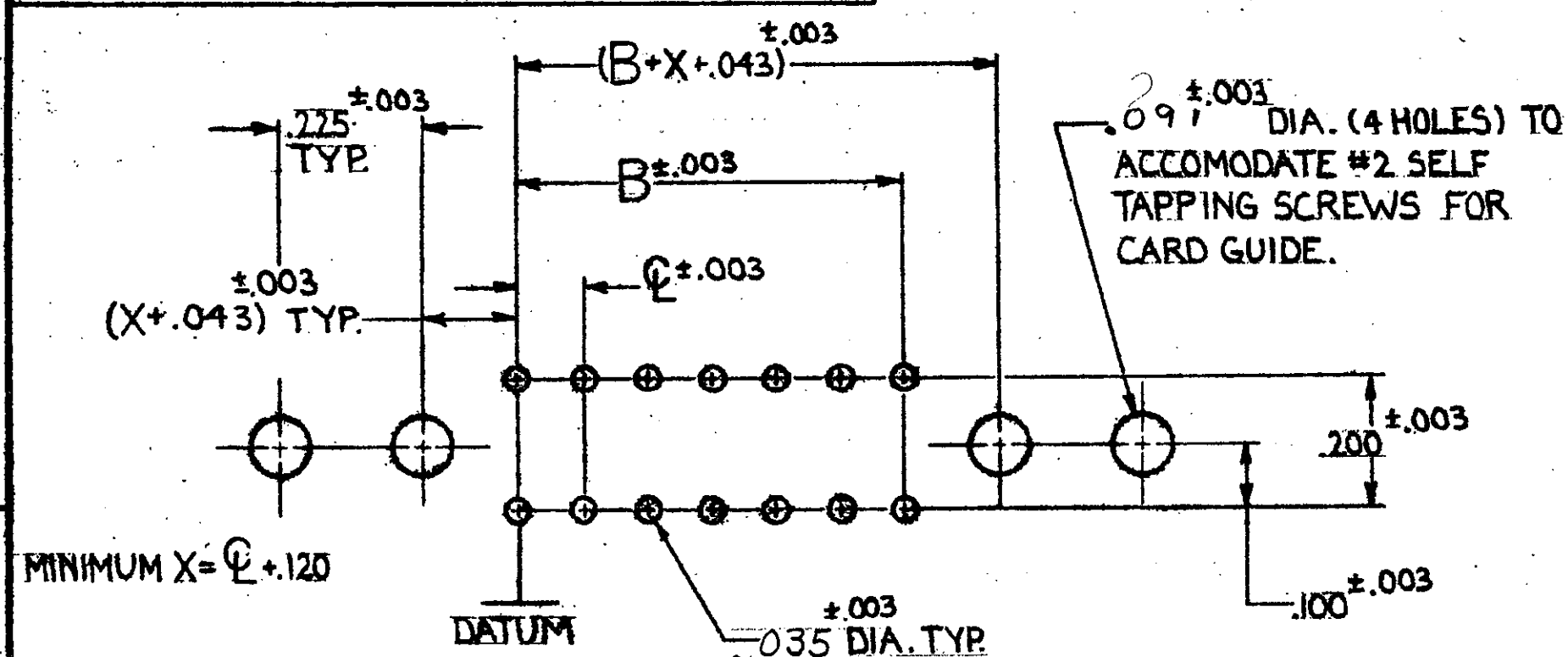
SECTION Z-Z

- 1 HOUSING MATERIAL: GLASS-FILLED POLYESTER, COLOR-BLACK.
- 2 CONTACT MATERIAL: PHOSPHOR BRONZE
- 3 FINISH: .000015 GOLD, SELECTIVE
- 4 FINISH: .000030 GOLD, SELECTIVE

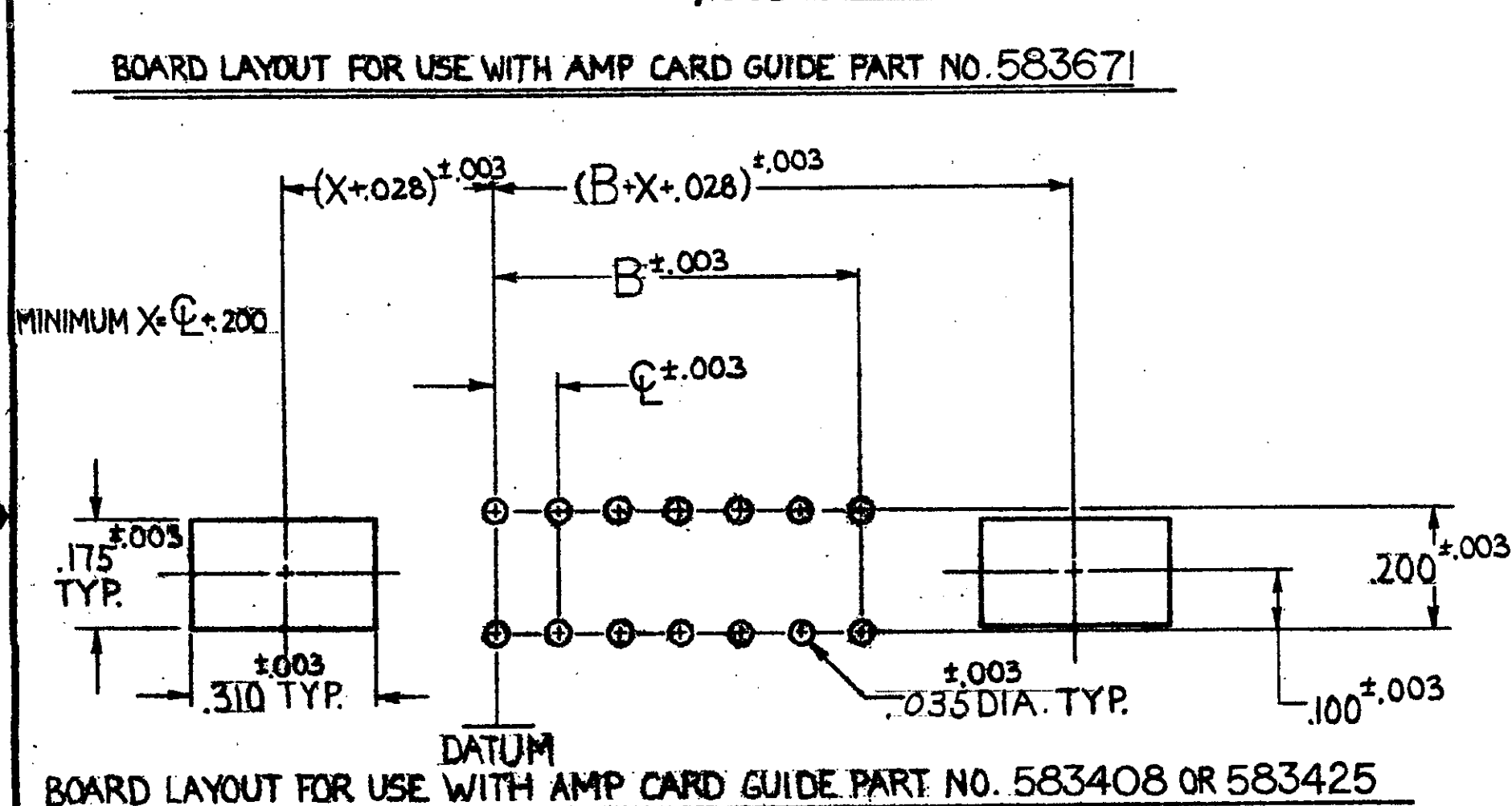
|                                                                                                    |        |                                                                                                                                                                           |  |                                                                                                                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS ±.005<br>ANGLES |        | CONTRACT NO<br>DR <i>A.M. SHARPE</i> 9-9-82<br>CHK <i>Ray</i> 10-11-82<br>APPD <i>Ray Johnston</i> 10-11-82<br>APPD <i>MRT hummer</i> 10-11-82<br>DSGN APPD<br>OTHER APPD |  | <b>AMP</b>   AMP INCORPORATED<br>Harrisburg, Pa. 17105<br>NAME<br><b>ASSEMBLY, TWIN LEAF, .100 ±.010 x .024 SOLDER TYPE POST, END CAP VERSION</b><br>SIZE <b>C</b> FSCM NO <b>00779</b> DRAWING NO <b>583715</b><br>SCALE <b>4:1</b> SHEET <b>1 OF 2</b> |  |
| MATERIAL                                                                                           | FINISH | PART NO                                                                                                                                                                   |  |                                                                                                                                                                                                                                                          |  |

| REVISIONS |   |      |     |             | DATE | APPROVED |
|-----------|---|------|-----|-------------|------|----------|
| P         | F | ZONE | LTR | DESCRIPTION |      |          |
|           |   |      |     | SEE SHEET 1 |      |          |

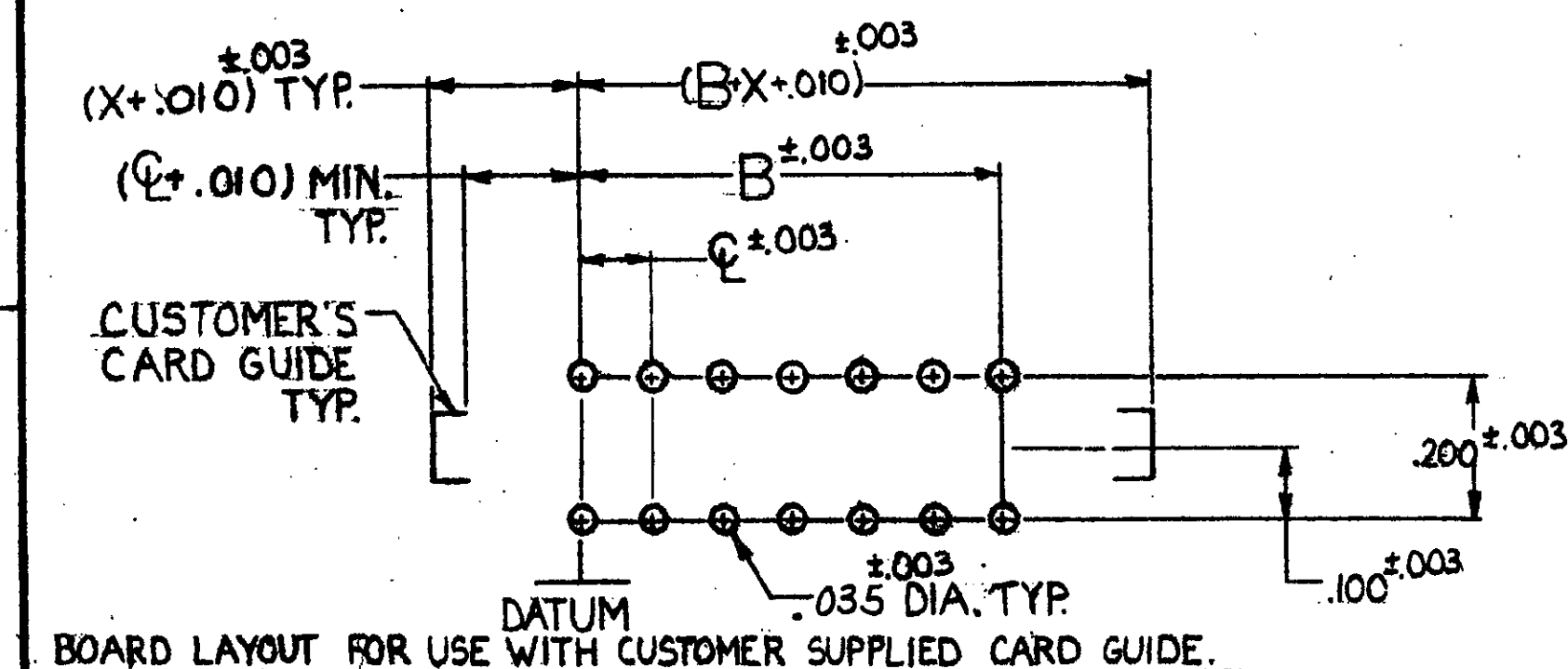
D



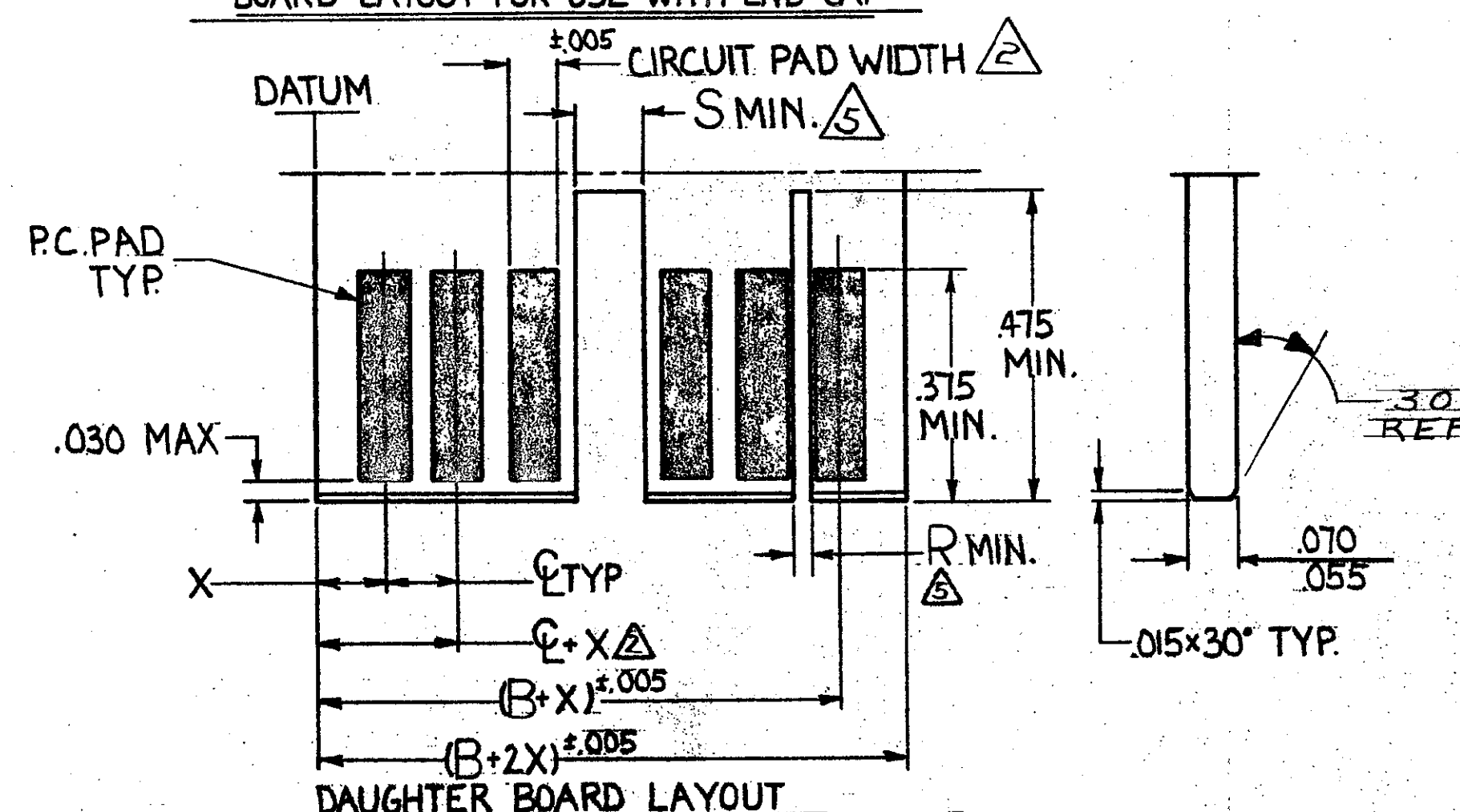
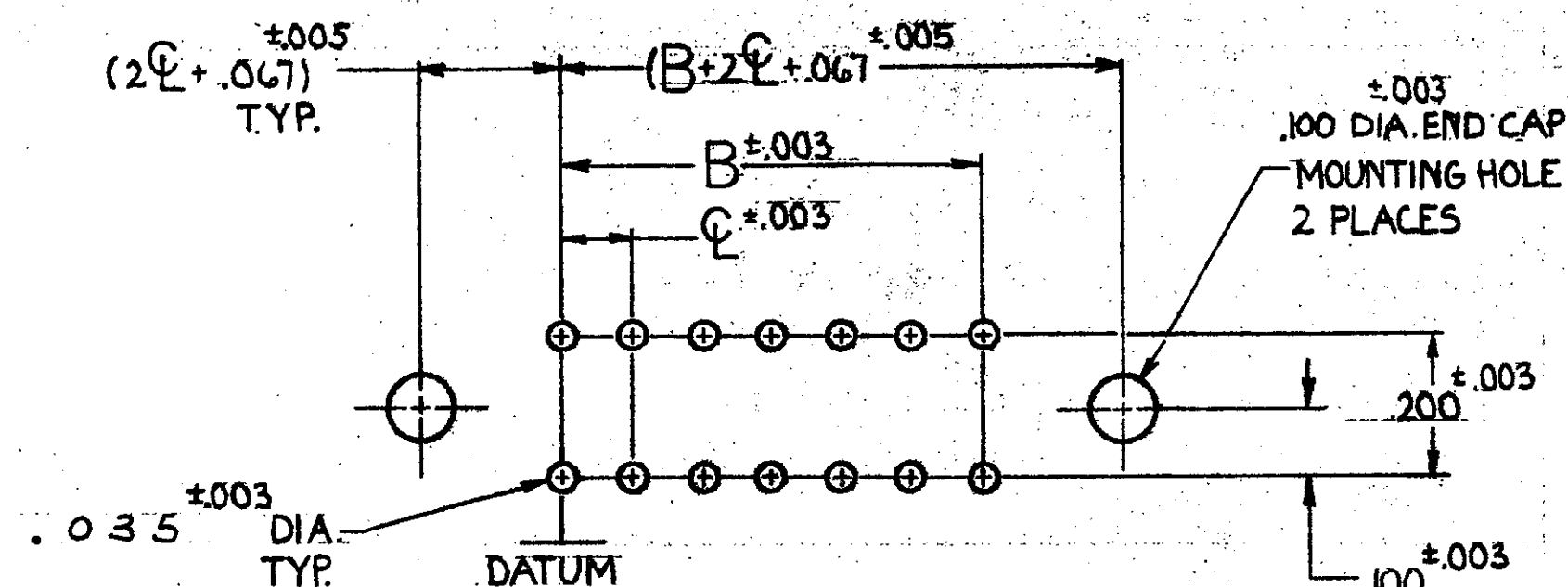
C



B



A



1. MAX. ALLOWABLE WARPAGE OF MOTHER BOARD NOT TO EXCEED .005 INCH. MAX. ALLOWABLE BOW OF DAUGHTER BOARD NOT TO EXCEED .010 INCH. THICKNESS OF MOTHER BOARD IS .062 FOR DOUBLE SLOTTED CARD GUIDES AND .104 MAX. FOR ALL OTHER MOUNTING CONDITIONS.
2. EACH PAD LOCATION INCREASES BY  $C \pm .005$  WITH A NON-CUMULATIVE TOLERANCE OF  $\pm .005$   
CIRCUIT PAD WIDTH- .045 FOR .100  $C$  .072 FOR .150  $C$   
.072 FOR .125  $C$  .080 FOR .156  $C$
3. DIMENSIONS APPLY TO BOTH SIDES OF DAUGHTER BOARD.
4.  $C$  INCREMENTS ON MOTHER BOARD HAVE  $\pm .003$  NON-CUMULATIVE TOLERANCE.
5.  $X$  IS A CUSTOMER CONTROLLED DIMENSION EXCEPT FOR END CAP ASSEMBLIES WHERE  $X = C - .008$
6. THE SLOT FOR INTER-CONTACT KEYING PLUGS MUST BE CENTERED BETWEEN THE PRINTED CIRCUIT PADS, WHILE THE SLOT FOR ON-CONTACT KEYING PLUGS MUST BE CENTERED ON THE AREA OF A PRINTED CIRCUIT PAD.

| INTER-CONTACT KEYING PLUG | R    | FOR CENTER LINE SPACING |
|---------------------------|------|-------------------------|
| 530030-1                  | .050 | .125-.150-.156          |
| 530030-2                  | .040 | .100                    |

| ON-CONTACT KEYING PLUG | S    | FOR CENTER LINE SPACING |
|------------------------|------|-------------------------|
| 583114-1               | .129 | .100-.125               |
| 583114-2               | .160 | .150-.156               |

|                                                                                                          |  |                                                                                                                                                                                |  |                                     |  |
|----------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.<br>TOLERANCES ON:<br>DECIMALS $\pm$<br>ANGLES $\pm$ |  | CONTRACT NO.<br>DR <i>M. Smith</i> 10-5-82<br>CHK <i>Ray J.</i> 10-11-82<br>APPD <i>Ray Johnston</i> 10-11-82<br>APPD <i>M.R. Tschumma</i> 10-12-82<br>DSGN APPD<br>OTHER APPD |  | PART NO.                            |  |
| MATERIAL                                                                                                 |  | NAME<br><b>HOUSING ASSEMBLY<br/>TWIN LEAF CONNECTOR</b>                                                                                                                        |  | AMP INCORPORATED<br>Harrisburg, Pa. |  |
| FINISH                                                                                                   |  | SIZE CODE IDENT NO<br><b>C 00779</b>                                                                                                                                           |  | DRAWING NO<br><b>583715</b>         |  |
|                                                                                                          |  | SCALE #                                                                                                                                                                        |  | SHEET 2 OF 2                        |  |

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AMP

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## Card Edge Connectors

.100, .125, .150, .156 C/L Twin Leaf Mother Board Connectors

AMP 1-583715-1 [Active](#) [Active](#)

(Tyco Electronics P/N: 1-583715-1)

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## Related Part Information

| General Information                                                                                   | eCommerce                                                       | Related Part Information |
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[Typical Assembly View](#)

## Searchable Features:

|                                    |              |
|------------------------------------|--------------|
| Brand:                             | AMP          |
| Product Type:                      | Connector    |
| No. of Dual Positions:             | 13           |
| Centerline (mm [in]):              | 2.54 [0.100] |
| Post Type:                         | Solder Post  |
| End Caps:                          | With         |
| Termination Post Length (mm [in]): | 4.32 [0.170] |
| Contact Mating Area Plating:       | Gold (15)    |

## Other Properties:

|                                   |                        |
|-----------------------------------|------------------------|
| Contact Material:                 | Phosphor Bronze        |
| Contact Termination Area Plating: | Tin                    |
| Contact Underplating:             | Nickel (30)            |
| Housing Material:                 | Glass-Filled Polyester |
| Housing Flammability Rating:      | UL 94V-0               |

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Card Edge Connectors

.100, .125, .150, .156 C/L Twin Leaf Mother Board Connectors

AMP

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(Tyco Electronics P/N: 583715-1)

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| Related Part Information                                                         |                                                    |                          |
|----------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|
| General Information                                                              | eCommerce                                          | Related Part Information |
| <div>General Info</div> <div>Sales Info</div> <div>Assembly Subcontractors</div> | <div>Pricing</div> <div>Product Availability</div> |                          |

Photos & Line Drawings - The photographs and/or line drawings are representative images of a product for viewing purposes only.

Typical Assembly View

| Searchable Features:               |              |
|------------------------------------|--------------|
| Brand:                             | AMP          |
| Product Type:                      | Connector    |
| No. of Dual Positions:             | 3            |
| Centerline (mm [in]):              | 2.54 [0.100] |
| Post Type:                         | Solder Post  |
| End Caps:                          | With         |
| Termination Post Length (mm [in]): | 4.32 [0.170] |
| Contact Mating Area Plating:       | Gold (15)    |

| Other Properties:                 |                        |
|-----------------------------------|------------------------|
| Contact Material:                 | Phosphor Bronze        |
| Contact Termination Area Plating: | Tin                    |
| Contact Underplating:             | Nickel (30)            |
| Housing Material:                 | Glass-Filled Polyester |
| Housing Flammability Rating:      | UL 94V-0               |

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