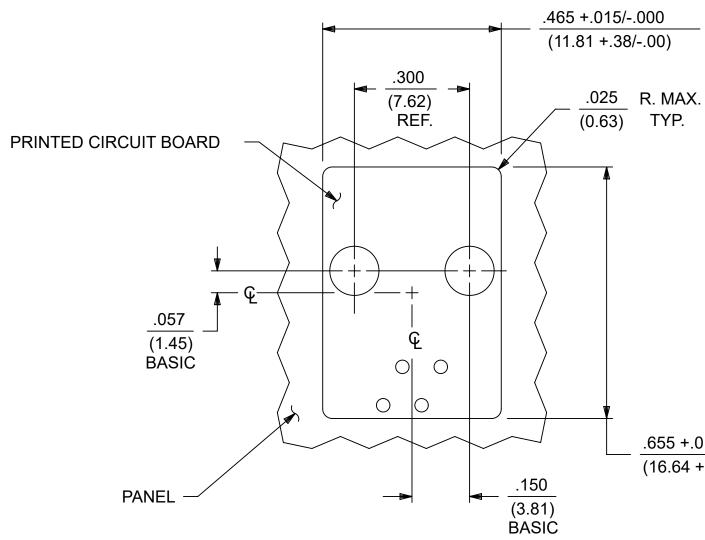
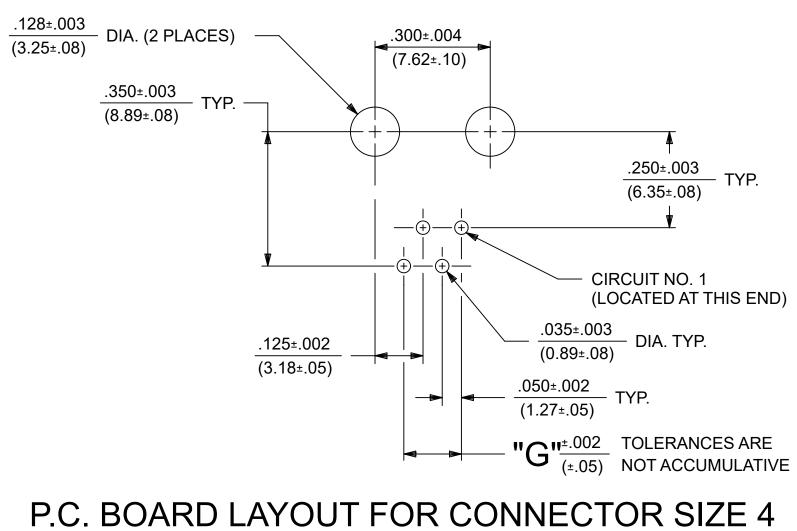
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| | EXTERNAL CONNEC | TOR BODY DIMENSIC | ERISTICS LEGE | 1D 9) | | | | | | | | P. C. BOARI THICKNES | | | (F |
| | CONNECTOR SIZE | 5 CAN ACCOMMODAT | POSITIONS: ATE 2 OR 4 TERMINALS FE 2, 4, OR 6 TERMINAL 2, 4, 6, 8, OR 10 TERMIN | _S; | NOT | ES: | | | | | | .062(1.57) | .12 (3.2 | 5) | .12 (3. |
| L | "NO | POLARIZATION OI = JACKS WITHOUT K | PTION: | | 1) M 2) T | ATERIALS: HOUSING TERMINA ERMINAL PLATING: | LS- PHOSPHOR BRC | SS FILLED, UL94V-0, C NZE ALLOY, .015/(0.38 | | | | .125/(3.18) | <u>.19</u> (4.8 | | .208 (5. |
| | | MOUNTING EARS (S"= JACKS WITH MOU JACKS WITHOUT MO | JNTING EARS | | | | AIL AREA: 100 MICR KEL UNDERPLATE: 5 | , | | | | | | | |

PRODUCT WITH TIN-LEAD IN THE PC TAIL.

- PART 68, SUBPART F.
- 8) SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.
- 9) SEE SHEETS 3 & 5 FOR CONNECTOR SIZE 8.



PANEL CUT-OUT FOR CONNECTOR SIZE 4



| A | DOCUMENT STATUS | P | 1 RELEASE D | DATE | 2021/11/2 | 5 12:18:04 | | | |
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TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42878. 4) CONNECTORS ARE SHIPPED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42878-492. 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062/(1.57) OR .125/(3.18) THICK P.C. BOARDS. 6) ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS

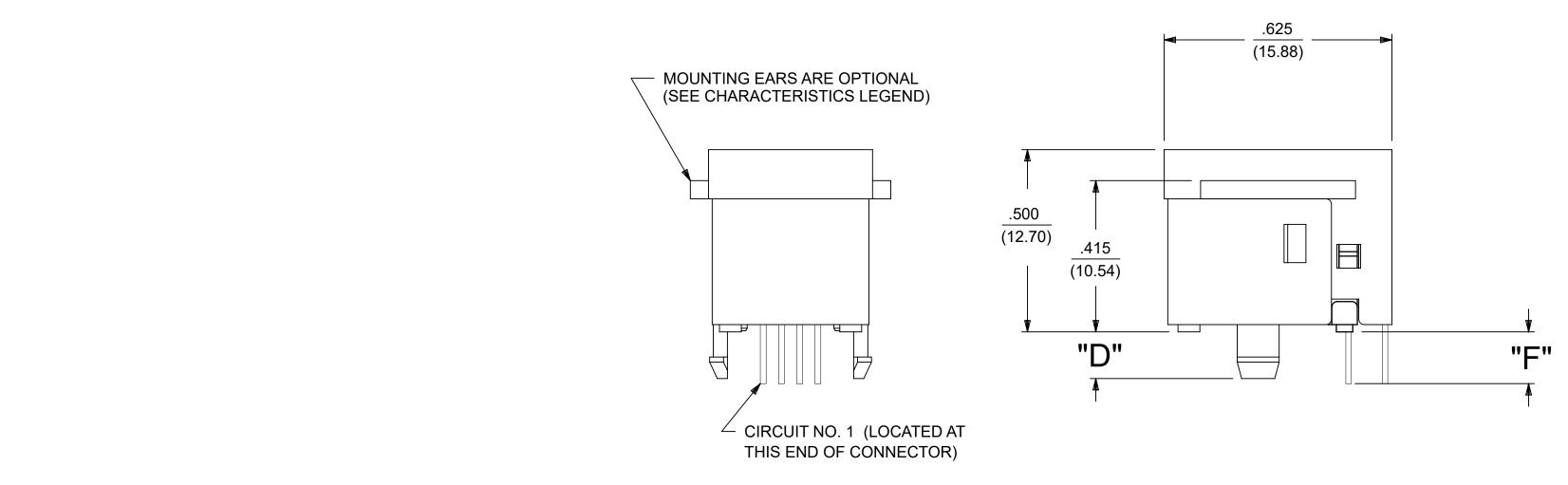
7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).

10) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR MOLDING IDENTIFICATON ONLY,

THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.

11) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE

EXCEPTION OF THE SINK WHICH MEETS CLASS C REQUIREMENTS.



.655 +.015/-.000 (16.64 +.38/-.00)

SIZE 4 MODULAR JACK LOADED WITH 4 TERMINALS SHOWN ABOVE

| RAV | /ING | G CONTA | INS | S IN | FOR | MATION TH |
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| on un | NITS | S | CAL | E | | CURREI |
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| CES | ± | | ± | | | EC NO: |
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| CES | ± | 0.25 | ± | | | APPR: |
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| CES | ± | | ± | | | DRWN: |
| GUL | AR | TOL | ± | 0 | .5 ° | APPR: |
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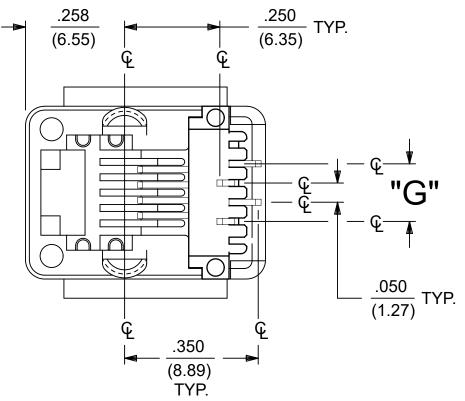
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|---|------------------------|-----------------|----------------|---|
| DIM. "F" (P.C. TAILS) | CONNECTOR SIZE | CIRCUIT SIZE | DIM. "G" | М |
| <u>.120 +.015/025</u> (3.05 +.38/63) | 4 | 4 | .150 (3.81) | |
| .205 +.015/025 (5.21 +.38/63) | 4 | 2 | .050 (1.27) | L |
| | | | | |
| | | | | К |
| | <u>.450</u> (13.97) | | | J |

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(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

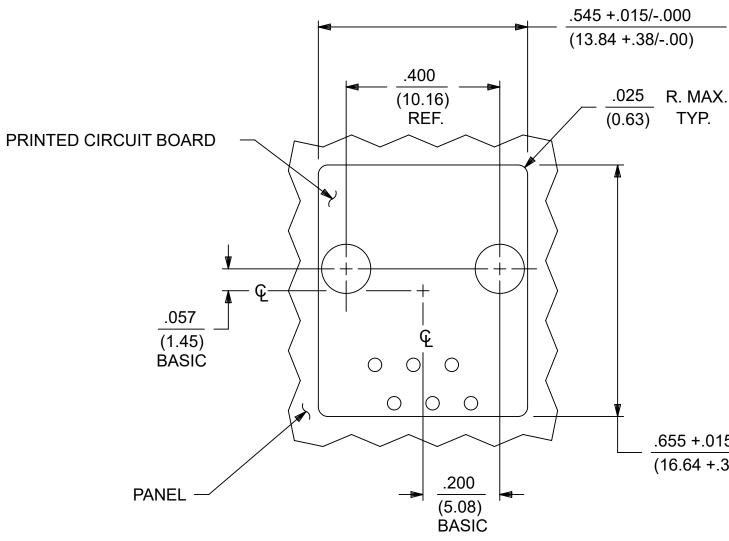
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| ADED WITH 4 T | FRMI | ALS SHOWN ABOVE | 3 | H2 | |
| | | | 2 | H2 | I |
| SHEET 4 FOR PART NUMBER A | VAILABILITY | () () | 1 | H2 | I |
| | | | SH | REV | I |
| THAT IS PROPRIETARY TO MOLEX ELEC | CTRONIC TECH | NOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PE | ERMI | SSION | С |
| ENT REV DESC: OBSOLETED PART R PCN#509457. | NUMBER | molex | | | |
| D: 680890 N: SANTHN | 2021/06/11 | ASSEMBLY, VERTICAL LOW PROFILE, MODULAR JACKS (CONNECTOR S | SIZE | E 4) | В |
|): GGA : GGA | 2021/11/25 2021/11/25 | PRODUCT CUSTOMER DRAWING | | | |
| AL REVISION: | 2021/11/20 | DOCUMENT NUMBER DOC TYPE DOC PAR | RT RE | VISION | |
| N: BAP | 1990/10/12 | SDA-42878-XXXX PSD 001 | | | |
| : RAS | 1990/10/12 | 50A-42010-AAAA P30 001 | | J | |

|): GGA | | | 2021/11/25 | | | | | | | | 1B |
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| | | | | | | | | | | | _ |
| : GGA | | | 2021/11/25 | | PRODU | CT CUST | OMER | DRAW | ING | | |
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| |] | D-SIZE | 42878 | SEE 1 | ABLE | GENER | AL MA | RKET | 1 | OF 5 | A |
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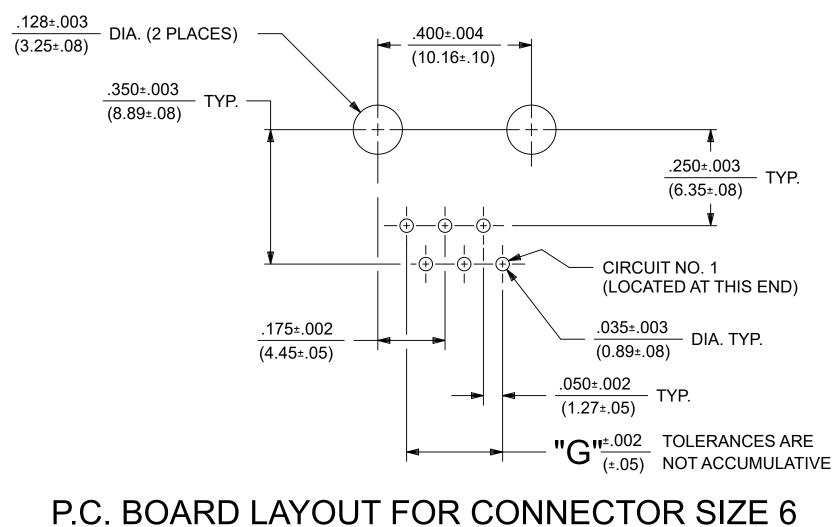
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| | | MODULAR J | ACK CHARACTE | ERISTICS LEGE | ND | | | | |
| | | | TOR BODY DIMENSIO I STANDARD 4, 6, AND | | | | | | |
| | С | CONNECTOR SIZE | JMBER OF CONTACT F E 4 CAN ACCOMMODA 6 CAN ACCOMMODAT AN ACCOMMODATE 2 | TE 2 OR 4 TERMINALS E 2, 4, OR 6 TERMINA | LŚ; | | | OTES:) MATERIALS: HOUSIN | NG- POLYEST |
| L | "YES"= | | POLARIZATION OF "= JACKS WITHOUT K G SLOT (AVAILABLE O | EYING SLOT | 8 ONLY) | | 2) |) TERMINAL PLATING: SELECT GOLD IN (| |
| | | | MOUNTING EARS C S"= JACKS WITH MOU JACKS WITHOUT MO | NTING EARS | | | | *SELECT TIN IN PO WITH OVERALL NI *THE PRIMARY | CKEL UNDER SHIPPING CA |
| | | | | | | | | TO RoHS DIREC 2000/53/EC". CA | RTONS WITH |

- PRODUCT WITH TIN-LEAD IN THE PC TAIL.

- PART 68, SUBPART F.
- 8) SEE SHEETS 1 & 4 FOR CONNECTOR SIZE 4.
- 9) SEE SHEETS 3 & 5 FOR CONNECTOR SIZE 8.



PANEL CUT-OUT FOR CONNECTOR SIZE 6



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| 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 |
|--|----|----|----|---|--------------------------|-----------------------|------------|
| | | | | | P. C. BOARD THICKNESS | DIM. " (MTG. PI | |
| | | | | | .062/(1.57) | .128 (3.25) | . <u>-</u> |
| OUSING- POLYESTER, GLAS ERMINALS- PHOSPHOR BRC TING: | | | | | .125/(3.18) | <u>.191</u> (4.85) | |
| D IN CONTACT AREA: 50 MIC | • | | | | | | |

I PC TAIL AREA: 100 MICROINCHES MIN., NICKEL UNDERPLATE: 50 MICROINCHES MIN. ARY SHIPPING CARTON WILL BE LABELED "COMPLIANT RECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE . CARTONS WITHOUT THIS LABEL MAY CONTAIN 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42878. 4) CONNECTORS ARE SHIPPED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42878-492.

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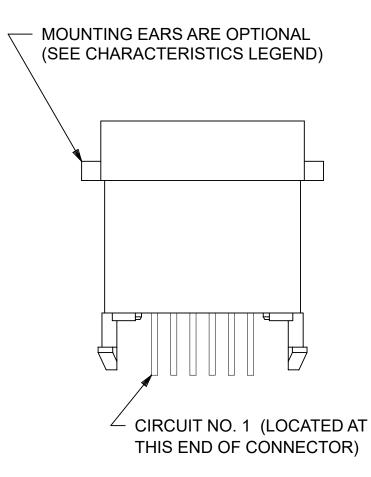
7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 6).

10) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR MOLDING IDENTIFICATON ONLY,

THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.

11) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002

WITH THE EXCEPTION OF THE SINK WHICH CONFORMS TO CLASS C REQUIREMENTS.



.655 +.015/-.000 (16.64 +.38/-.00)

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| 21 | PLACES | ± | 0.25 | ± | | | CHK'D: | | |
| 1 | PLACE | ± | | ± | | | APPR: | GGA | <u>-</u> N |
| 0 | PLACES | ± | | ± | | | DRWN: | | JIN . |
| | ANGULA | ١R | TOL | ± | 0 | .5 ° | APPR: | RAS | |
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MATERIAL NUMBER

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CUSTOMER

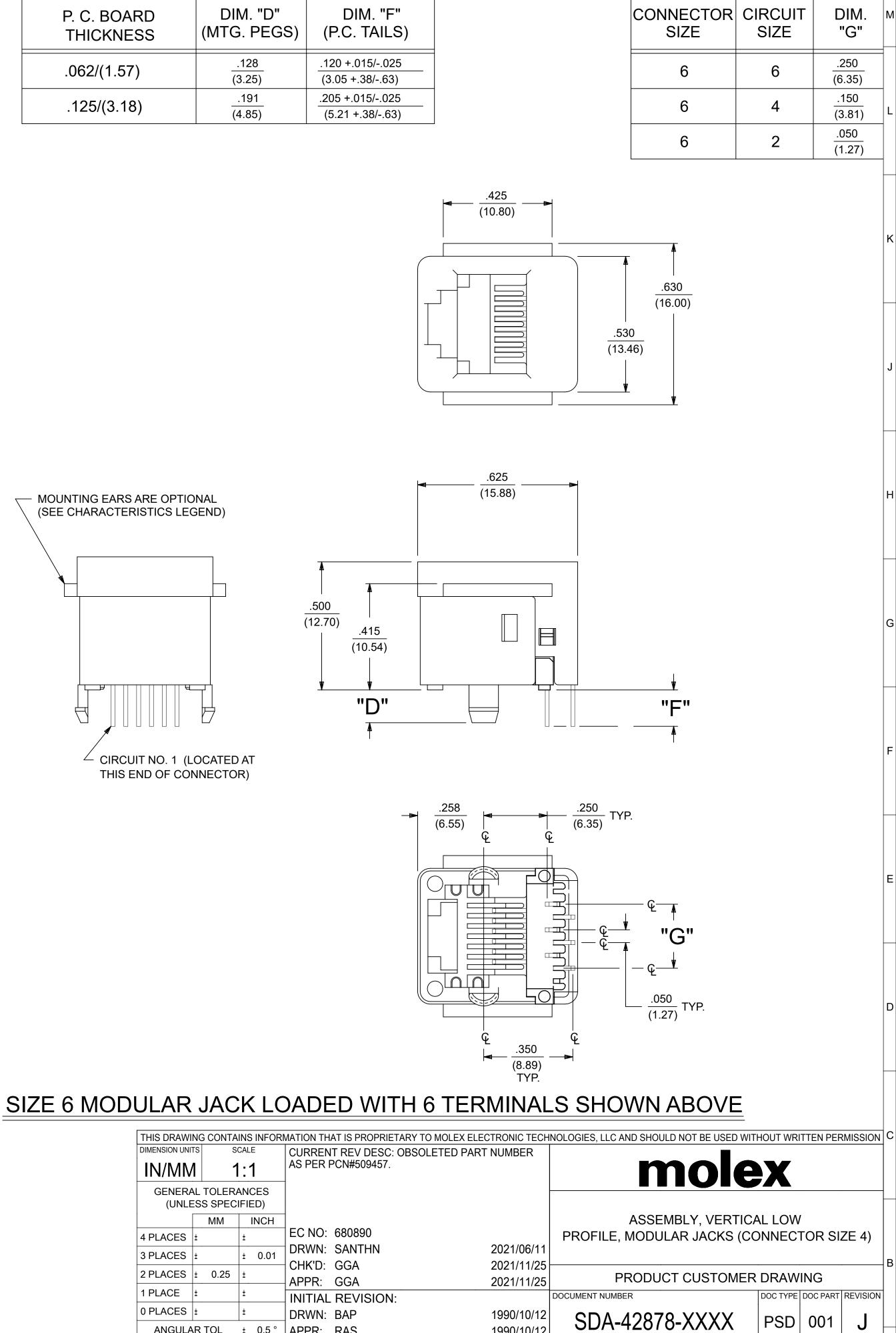
GENERAL MARKET

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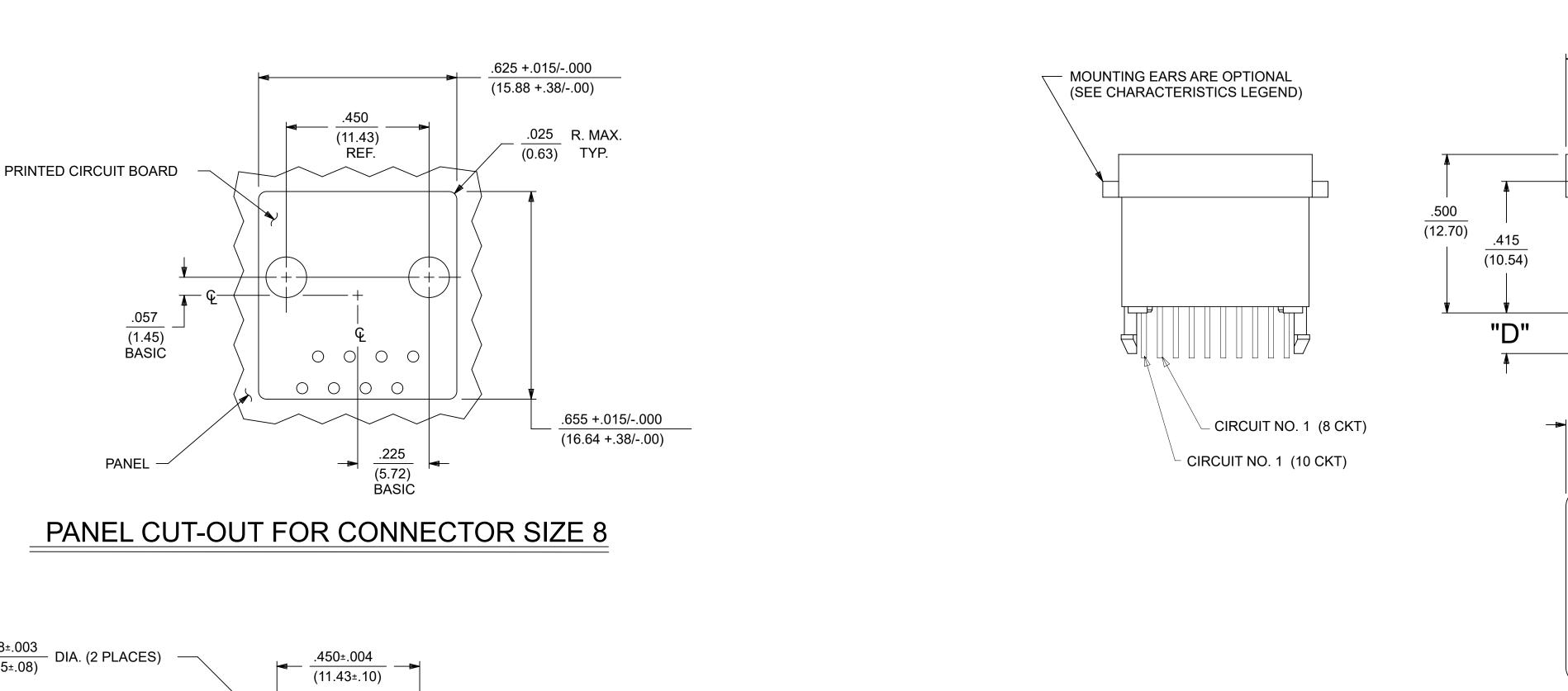
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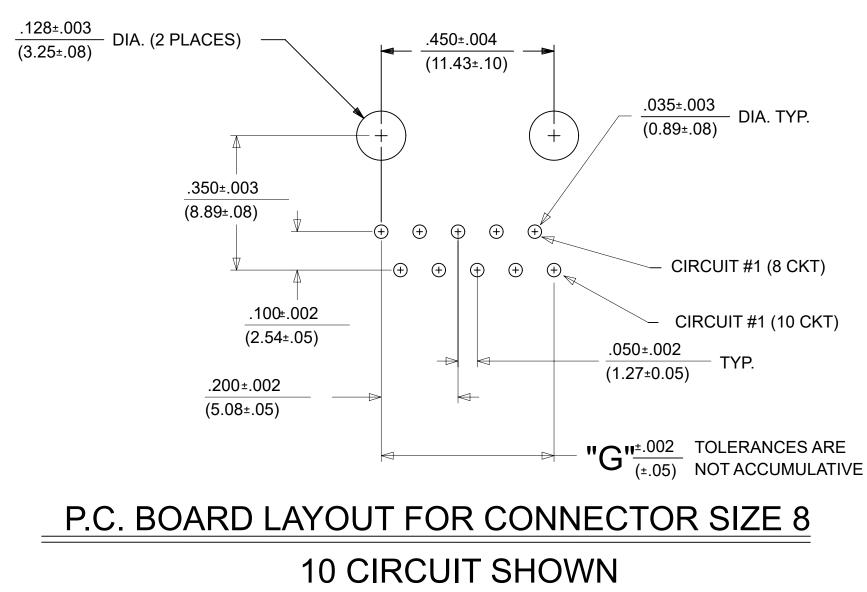
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| мЬ | MODULAR | ACK CHARACT | ERISTICS LEGEN | D | | | | | | | | P.C. BOARD | DIM. "D" | 1 |
| | EXTERNAL CONNE JACKS ARE AVAILABLE I | TOR BODY DIMENSION STANDARD 4, 6, ANI | ONS: (SEE NOTES 8 AND D 8 POSITION BODY SIZE | 9) S | | | | | | | | THICKNESS | | (F |
| | CONNECTOR SIZ | 6 CAN ACCOMMODAT | POSITIONS: ATE 2 OR 4 TERMINALS; FE 2, 4, OR 6 TERMINALS 2, 4, 6, 8, OR 10 TERMINA | , | NOT 1) N | ATERIALS: HOUSIN | | SS FILLED, UL94V-0, C | | | | .062/(1.57) | <u>.128</u> (3.25) | <u>.12</u> (3. |
| L | "N | POLARIZATION O "= JACKS WITHOUT F | PTION: KEYING SLOT | | 2) 1 | ERMINAL PLATING: | ALS- PHOSPHOR BRO | ONZE ALLOY, .015/(0.38 | 8) THICK. | | | .125/(3.18) | <u>.191</u> (4.85) | .20 (5 |
| - | "YES"= JACKS WITH KEYI | G SLOT (AVAILABLE C MOUNTING EARS (| | DNLY) | | | TAIL AREA: 100 MICR | ROINCHES MIN., 50 MICROINCHES MIN. | | | | | | |
| _ | | S"= JACKS WITH MOU | JNTING EARS | | | *THE PRIMARY | SHIPPING CARTON W | /ILL BE LABELED "COM ELV ANNEX II OF DIRE | IPLIANT | | | | | |
| | | | | | | 2000/53/EC". CA | RTONS WITHOUT TH | IS LABEL MAY CONTAII | N | | | | | |

- PRODUCT WITH TIN-LEAD IN THE PC TAIL.

- PART 68, SUBPART F.
- 8) SEE SHEETS 1 & 4 FOR CONNECTOR SIZE 4. 9) SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.





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3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42878. 4) CONNECTORS ARE SHIPPED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42878-492.

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7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 8).

10) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR MOLDING IDENTIFICATON ONLY,

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11) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002

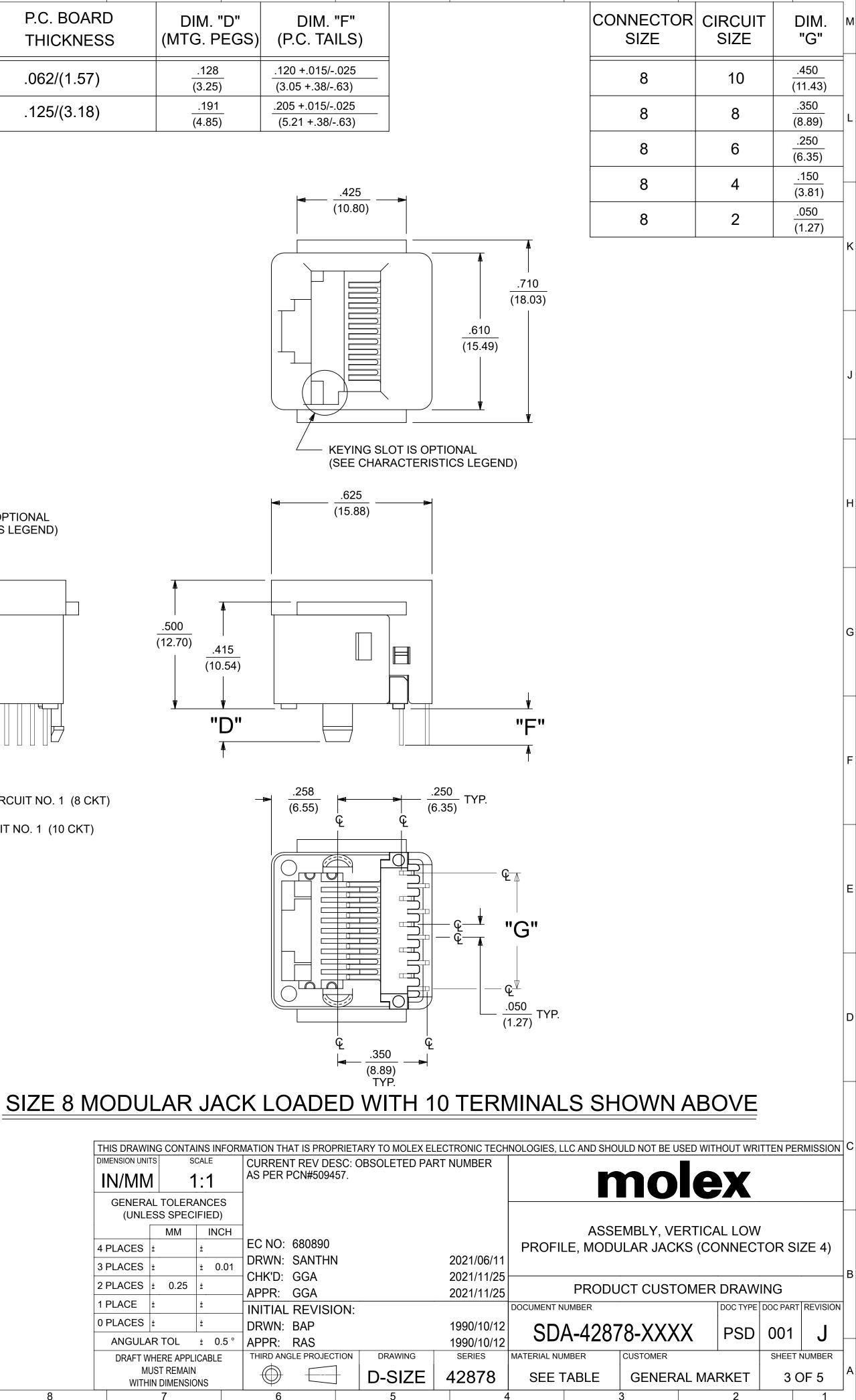
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CIRCUIT #1 (10 CKT)

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| _ | C | HARACTERISTICS LE | GEND | | М |
| | 4 3 2 1 CHARACTERISTICS LEGEND EXTERNAL CONNECTOR BODY DIMENSIONS: AVAILABLE IN 4, 6, AND 8 POSITION BODY NUMBER OF CONTACT POSITIONS: CONNECTOR SIZE 4 ACCOMMODATES 2, OR 4 TERMINALS; CONNECTOR SIZE 6 ACCOMMODATES 2, 4, OR 6 TERMINALS; CONNECTOR SIZE 8 ACCOMMODATES 2, 4, 6, 8, OR 10 TERMINALS POLARIZATION OPTION: (AVAILABLE ON CONNECTOR SIZE 8 ONLY) "NO"= WITHOUT KEYING SLOT "YES"= WITH KEYING SLOT MOUNTING EARS OPTION: "YES"= PART WITH MOUNTING EARS "NO"= PART WITHOUT MOUNTING EARS (SEE SHEET 1 & 2 FOR PART DESCRIPTIONS AND DIMENSIONS) | | | | |
| | CONNECTOR CONNECTOR S | SIZE 4 ACCOMMODA | TES 2, OR 4 TERMINA ES 2, 4, OR 6 TERMIN | ALŚ; | |
| | POLARIZATION OP | EYING SLOT | BONLY) | L | |
| | | YES"= PART WITH MC | OUNTING EARS | - | |
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| HAT IS PROPRIET | ARY TO MOLEX ELEC | CTRONIC TECH | NOLOGIES, L | LC AND SHO | ULD NOT BE U | SED WIT | HOUT WRI | TTEN PE | RMISSION | |
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| NGLE PROJECTION | DRAWING | SERIES | MATERIAL NU | MBER | CUSTOMER | | • | SHEET | NUMBER | 1 |
| | D-SIZE | 42878 | SEE T | ABLE | GENER | AL MA | RKET | 4 | OF 5 | A |
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| | | PAR | T CHARACTERIST | ICS | |
|----------------------------|-------------------------------|---------------------------|--------------------------|------------------------|----------------------------|
| ASSEMBLY ITEM NUMBER | EXTERNAL CONNECTOR SIZE | NUMBER OF POSITIONS | P. C. BOARD THICKNESS | POLARIZATION OPTION | MOUNTING EARS OPTION |
| 42878-8408 | 8 POS. BODY | 8 | .062 | NO | YES |
| 42878-8410 | 8 POS. BODY | 8 | .062 | NO | NO |
| 42878-8456 | 8 POS. BODY | 8 | .062 | YES | YES |
| 42878-8458 | 8 POS. BODY | 8 | .062 | YES | NO |
| 42878-8506 | 8 POS. BODY | 8 | .125 | NO | NO |

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| | | PART CH | ARACTERISTICS | | | |
|----------------------------|-------------------------------|---------------------------|--|------------------------|----------------------------|----------------------------|
| ASSEMBLY ITEM NUMBER | EXTERNAL CONNECTOR SIZE | NUMBER OF POSITIONS | BOARD THICKNESS/ P.C. TAIL OPTION | POLARIZATION OPTION | MOUNTING EARS OPTION | ASSEMBLY ITEM NUMBER |
| 42878-9370 | 8 POS. BODY | 2 | .125 | NO | NO | 42878-1003 |

| CHARACTERISTICS LEGEND |
|--|
| EXTERNAL CONNECTOR BODY DIMENSIONS: AVAILABLE IN 4, 6, AND 8 POSITION BODY |
| NUMBER OF CONTACT POSITIONS: CONNECTOR SIZE 4 ACCOMMODATES 2, OR 4 TERMINALS; CONNECTOR SIZE 6 ACCOMMODATES 2, 4, OR 6 TERMINALS; CONNECTOR SIZE 8 ACCOMMODATES 2, 4, 6, 8, OR 10 TERMINALS |
| POLARIZATION OPTION: (AVAILABLE ON CONNECTOR SIZE 8 ONLY) "NO"= WITHOUT KEYING SLOT "YES"= WITH KEYING SLOT |
| MOUNTING EARS OPTION: "YES"= PART WITH MOUNTING EARS "NO"= PART WITHOUT MOUNTING EARS |
| (SEE SHEET 3 FOR PART DESCRIPTIONS AND DIMENSIONS) |

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|----------|------------|--------|---------------------------------|--------|----------------|-----------------------|--------------|------------|--------------|----------|--------------------|----------|----------|--------|
| IN/MN | | SCALE | CURRENT REV D AS PER PCN#509 | | BSOLETED PA | RT NUMBER | | r | no | le | X | | | |
| | L TOLER | | | | | | | | | | | | | - |
| | MM | INCH | | | | | | ASSE | EMBLY, VE | ERTICA | AL LOW | / | | |
| 4 PLACES | ± | ± | EC NO: 680890 | | | | PROFIL | E, MODU | JLAR JAC | KS (CC | ONNEC ⁻ | TOR S | ZE 4) | |
| 3 PLACES | ± | ± 0.0 | | N | | 2021/06/11 | | | | , | | | , | |
| 2 PLACES | ± 0.25 | ± | - CHK'D: GGA APPR: GGA | | | 2021/11/25 2021/11/25 | | PRODU | JCT CUST | OMER | DRAW | ING | | |
| 1 PLACE | ± | ± | INITIAL REVIS | ION: | | 2021/11/20 | DOCUMENT N | UMBER | | | DOC TYPE | DOC PART | REVISIO | N |
| 0 PLACES | ± | ± | DRWN: BAP | | | 1990/10/12 | | A 100- | 78-XXX | VV | | 001 | | |
| ANGULA | R TOL | ± 0.5 | APPR: RAS | | | 1990/10/12 | וטט | 4-4201 | 0-/// | | PSD | | J | |
| DRAFT W | HERE APPL | ICABLE | THIRD ANGLE PROJE | CTION | DRAWING | SERIES | MATERIAL NU | MBER | CUSTOMER | | 1 | SHEET | NUMBER | |
| | JST REMAIN | | $ \oplus \subset$ |] | D-SIZE | 42878 | SEE 1 | ABLE | GENER | AL MA | RKET | 5 (| DF 5 | |
| | 7 | | 6 | | 5 | ∠ | 4 | | 3 | | 2 | | 1 | |

| PART CHARACTERISTICS | | | | | | |
|-------------------------------|---------------------------|--|------------------------|----------------------------|--|--|
| EXTERNAL CONNECTOR SIZE | NUMBER OF POSITIONS | BOARD THICKNESS/ P.C. TAIL OPTION | POLARIZATION OPTION | MOUNTING EARS OPTION | | |
| 8 POS. BODY | 10 | .062 | NO | NO | | |

| ENT REV DE R PCN#5094 | | DBSOLETED PA | RT NUMBER | molex | | | | | | | |
|----------------------------------|--------------|--------------|--------------------------|---|---------------|---------------|-----|----------|---------|------------|---|
|): 680890 I: SANTHN I: GGA | N 2021/06/11 | | | ASSEMBLY, VERTICAL LOW PROFILE, MODULAR JACKS (CONNECTOR SIZE 4) | | | | | | B | |
| GGA | | | 2021/11/25 2021/11/25 | PRODUCT CUSTOMER DRAWING | | | | | | | |
| L REVISI | L REVISION: | | | DOCUMENT N | UMBER | | | DOC TYPE | DOC PAR | T REVISION | 1 |
| BAP 1990/10 | | 1990/10/12 | SD | N 1927 | '8-XXX | Y | PSD | 001 | | | |
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|) |] | D-SIZE | 42878 | SEE TABLE | | GENERAL MARKE | | RKET | 5 OF 5 | | A |
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