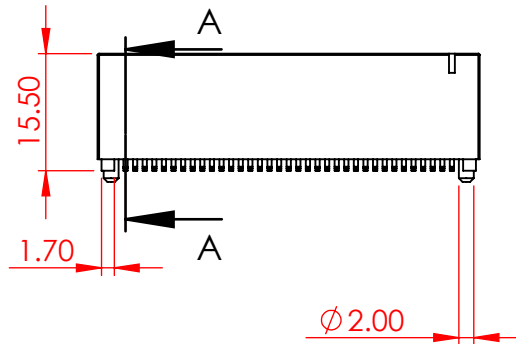
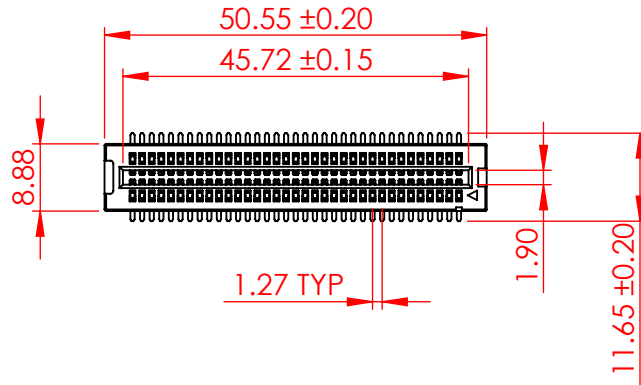


| TOLERANCE<br>UNLESS OTHERWISE<br>SPECIFIED |       |
|--------------------------------------------|-------|
| 0-10                                       | ±0.20 |
| 10-30                                      | ±0.30 |
| 30-100                                     | ±0.40 |

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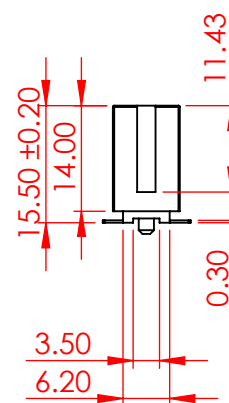
| ISSUE NUMBER |   |
|--------------|---|
| ORIGINAL     | ① |



7.62  
CARD SLOT

0.60  
POINT OF  
CONTACT

SECTION A-A  
SCALE 1 : 1



#### SPECIFICATIONS:

MATERIAL:  
HOUSING:  
CONTACT:  
PLATING:

HI-TEMP THERMOPLASTIC, PPS  
COPPER ALLOY  
GOLD FLASH PLATING ON CONTACT AREA,  
TIN PLATING ON SOLDERING AREA

ELECTRICAL  
VOLTAGE RATING:  
CURRENT RATING:  
DIELECTRIC

250 VAC RMS  
1A

WITHSTANDING VOLTAGE:  
INSULATION RESISTANCE:  
CONTACT RESISTANCE:

500VAC RMS 60Hz FOR 60s  
1000 MEGA OHMS MIN AT 500VDC  
30 mOHMS MAX

#### MECHANICAL

RETENTION FORCE:  
INSERTION FORCE:  
WITHDRAWAL FORCE:

460g MIN PER CONTACT  
230g MAX PER CONTACT PAIR  
15g MIN PER CONTACT PAIR

#### ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +105°C

#### NOTE:

4 TO 124 POSITIONS ARE AVAILABLE EXCEPT 18, 28, 34, 38, 42 TO 46, 54 TO 58 POSITIONS



THIS SERIES FULLY CONFORMS TO  
THE EUROPEAN UNION DIRECTIVES  
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TORONTO, ONTARIO  
CANADA  
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WITHOUT WRITTEN PERMISSION.

### 302 SERIES CARD EDGE CONNECTOR

|                                  |                    |          |
|----------------------------------|--------------------|----------|
| ACAD REFERENCE NO.: 302 Assembly |                    | UNIT: MM |
| DRAWN: J.L.                      | DATE: June 6, 2023 |          |
| CHECKED:                         | DATE:              |          |
| SCALE: 1:1                       | SHEET 1 OF 2       |          |
| DRAWING NUMBER: 302-070-299-205  | ISSUE              |          |
| PART NUMBER: 302-070-299-205     | 1                  |          |

| NO. OF POS. | DIMENSION A     |                 |                 | DIMENSION C      |                  |
|-------------|-----------------|-----------------|-----------------|------------------|------------------|
|             | CONTACT CODE 21 | CONTACT CODE 58 | CONTACT CODE 99 | MOUNTING CODE 05 | MOUNTING CODE 06 |
| 04          |                 | 1.27*           |                 | 5.08             | NA               |
| 06          |                 | 2.54*           |                 | 6.35             | NA               |
| 08          |                 | 3.81            |                 | 7.62             | 7.62             |
| 10          |                 | 5.08            |                 | 8.89             | 8.89             |
| 12          |                 | 6.35            |                 | 10.16            | 10.16            |
| 14          |                 | 7.62*           |                 | 11.43            | NA               |
| 16          |                 | 8.89            |                 | 12.70            | 12.70            |
| 20          |                 | 11.43           |                 | 15.24            | 15.24            |
| 22          |                 | 12.70*          |                 | 16.51            | NA               |
| 24          |                 | 13.97*          |                 | 17.78            | NA               |
| 26          |                 | 15.24*          |                 | 19.05            | NA               |
| 30          |                 | 17.78*          |                 | 21.59            | NA               |
| 32          |                 | 19.05*          |                 | 22.86            | NA               |
| 36          |                 | 21.59*          |                 | 25.40            | NA               |
| 40          |                 | 24.13           |                 | 27.94            | 27.94            |
| 48          |                 | 29.21*          |                 | 33.02            | NA               |
| 50          |                 | 30.48           |                 | 34.29            | 34.29            |
| 52          |                 | 31.75*          |                 | 35.56            | NA               |
| 60          |                 | 36.83           |                 | 40.64            | 40.64            |
| 68          | 41.91           | NA              | 41.91*          | 45.72            | NA               |
| 70          | 43.18           | NA              | 43.18*          | 46.99            | NA               |
| 80          |                 | 49.53           |                 | 53.34            | 53.34            |
| 100         | 62.23           | NA              | 62.23*          | 66.04            | NA               |
| 110         | 68.58           | NA              | 68.58*          | 72.39            | NA               |
| 120         | 74.93           | NA              | 74.93           | 78.74            | 78.74            |
| 124         | 77.47           | NA              | 77.47*          | 81.28            | NA               |

\*NOT AVAILABLE FOR CONTACT CODE 99 WITH MOUNTING CODE 06  
NA = NOT AVAILABLE

302-070-299-205

MOUNTING CODE

CONTACT CODE



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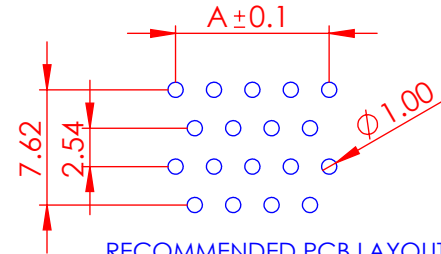
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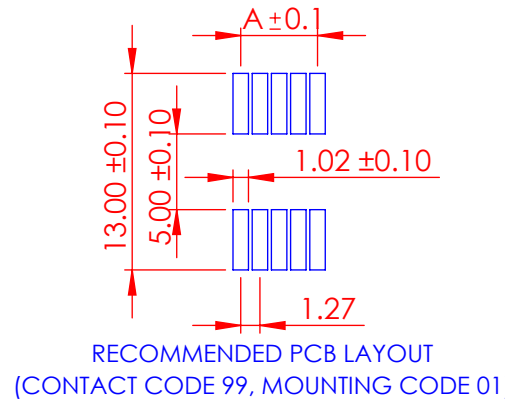
ISSUE NUMBER

ORIGINAL

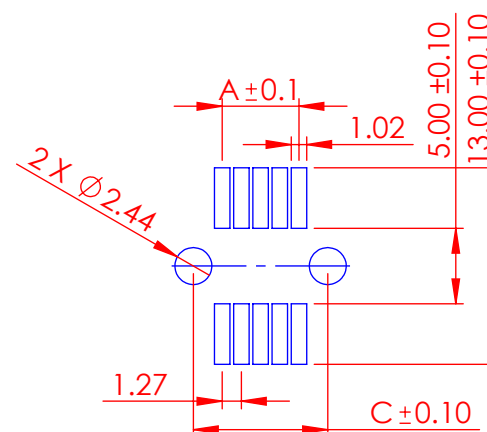
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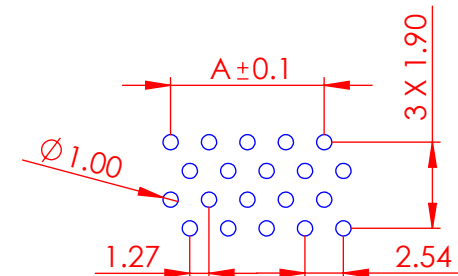
RECOMMENDED PCB LAYOUT  
(CONTACT CODE 21)



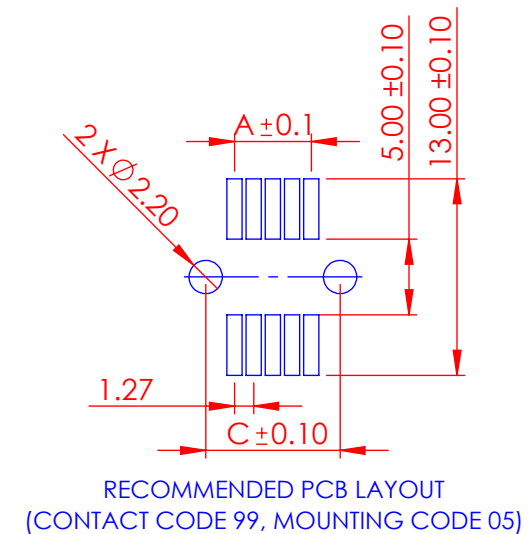
RECOMMENDED PCB LAYOUT  
(CONTACT CODE 99, MOUNTING CODE 01)



RECOMMENDED PCB LAYOUT  
(CONTACT CODE 99, MOUNTING CODE 06)



RECOMMENDED PCB LAYOUT  
(CONTACT CODE 58)



RECOMMENDED PCB LAYOUT  
(CONTACT CODE 99, MOUNTING CODE 05)

## 302 SERIES CARD EDGE CONNECTOR

ACAD REFERENCE NO.: 302 ASSEMBLY UNIT: MM

DRAWN: J.L. DATE: June 6, 2023

CHECKED: DATE:

SCALE: 1:1 SHEET 2 OF 2

DRAWING NUMBER: 302-070-299-205 ISSUE

PART NUMBER: 302-070-299-205 1