

10033526-N3212MLF - MINI  
USB : B Type Receptacle  
conn. Right Angle Surface  
Mount Type



[www.fci.com](http://www.fci.com)

## Specifications

### General

|                      |                   |
|----------------------|-------------------|
| Mylar Option         | With              |
| Number of contacts   | 5                 |
| Orientation          | Right Angle       |
| Post type            | With Plastic Post |
| Product Type         | Receptacle        |
| Style                | B Type            |
| Series Number        | 10033526          |
| Single or Dual Stack | Single            |

### Electrical

|                         |                 |
|-------------------------|-----------------|
| Resistance (Contact)    | 50 m ohms max.  |
| Resistance (Insulation) | 100 M ohms min. |

### Mechanical

|                        |                    |
|------------------------|--------------------|
| Contact unmating force | 3N (03 kgf) min.   |
| Mating force           | 35N (3.5 kgf) max. |

### Mounting

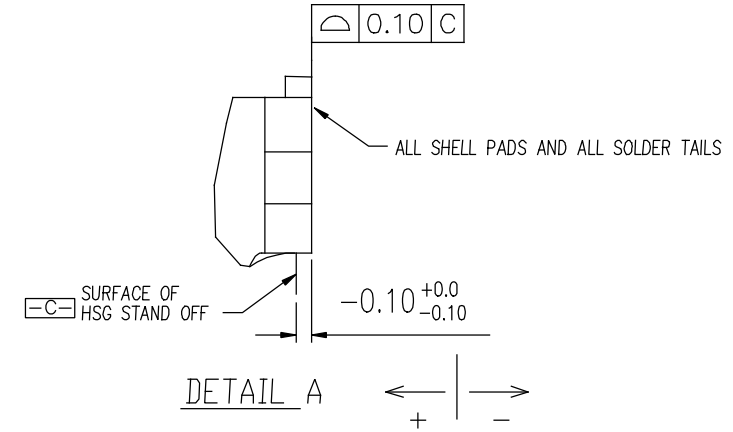
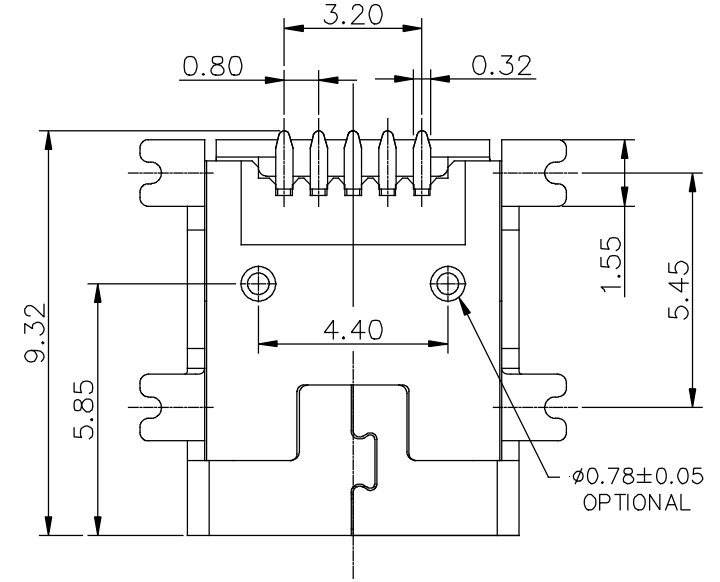
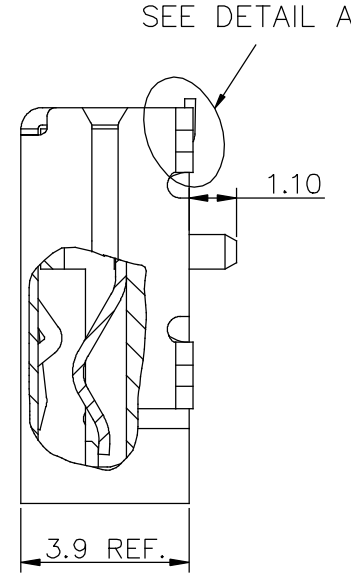
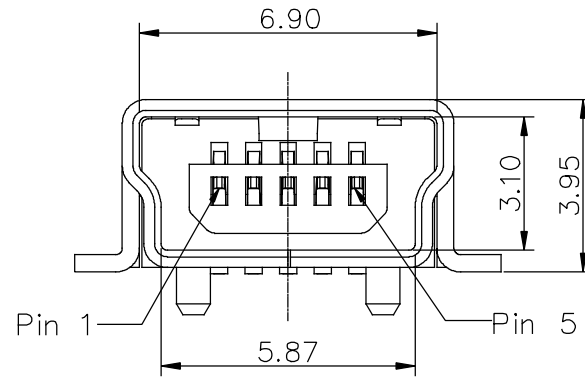
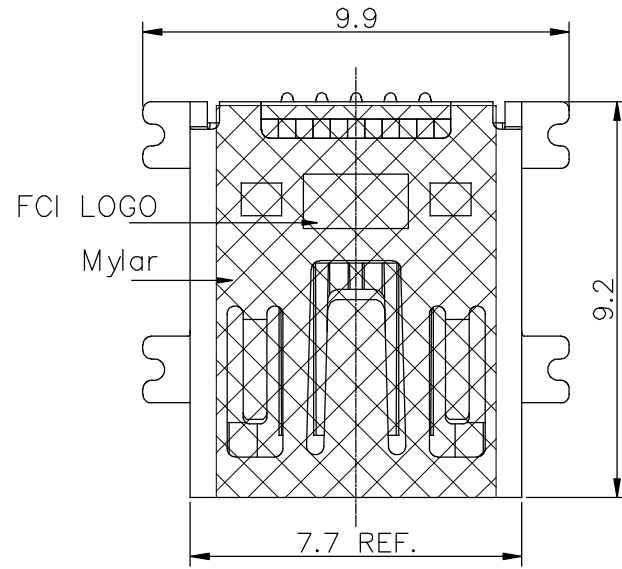
|                |                    |
|----------------|--------------------|
| Mounting style | Surface Mount Type |
|----------------|--------------------|

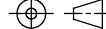
### Physical

|                        |                         |
|------------------------|-------------------------|
| Color (Housing)        | Black                   |
| Material (Housing)     | Thermoplastic, UL 94V-0 |
| Plating (Contact area) | 30u" Gold               |
| Plating (Shell)        | Nickel                  |
| Plating (Solder area)  | 100u" Pure Matte Tin    |

### Other Features

|                     |               |
|---------------------|---------------|
| Packaging (Options) | Tape and Reel |
|---------------------|---------------|



|             |          |    |          |                                       |             |          |  |               |                                                                                                     |                                                                                                                 |                 |             |
|-------------|----------|----|----------|---------------------------------------|-------------|----------|--|---------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------|
| mat'l. code |          |    |          | tolerances unless otherwise specified |             |          |  | CUSTOMER COPY |                                                                                                     | <br><br>www.fciconnect.com |                 |             |
| ltr         | ecn no   | dr | date     | linear                                | .X ± 0.30   |          |  |               | projection<br> | title<br><br>MINI USB B-TYPE<br>SMT RECEPTACLE                                                                  |                 |             |
| H           | T06-0074 | AC | 4/10/06  |                                       | .XX ± 0.20  |          |  |               |                                                                                                     |                                                                                                                 |                 |             |
| J           | T06-0137 | AC | 7/18/06  |                                       | .XXX ± 0.10 |          |  |               |                                                                                                     |                                                                                                                 |                 |             |
| K           | T06-0201 | AC | 12/14/06 | angles                                | 0° ±2°      |          |  |               |                | product family 511<br>size dwg no                                                                               |                 | code<br>TWN |
| L           | T07-1002 | JH | 1/5/07   | dr                                    | JASON HSU   | 12/27/10 |  |               |                                                                                                     |                                                                                                                 |                 |             |
| M           | T10-0095 | JH | 12/27/10 | enrg                                  | JASON HSU   | 12/27/10 |  |               |                                                                                                     |                                                                                                                 |                 |             |
| N           | T-004667 | JH | 7/27/11  | chr                                   | GARY HSIEH  | 12/27/10 |  | scale<br>N/A  | A4<br>10033526                                                                                      |                                                                                                                 | sheet<br>1 of 2 |             |
|             |          |    |          | appd                                  | JOSEPH HSIA | 12/27/10 |  |               |                                                                                                     |                                                                                                                 |                 |             |
| sheet index | revision |    | N        | N                                     |             |          |  |               |                                                                                                     |                                                                                                                 |                 |             |
|             | sheet    |    | 1        | 2                                     |             |          |  |               |                                                                                                     |                                                                                                                 |                 |             |

NOTES:

1.MATERIAL:

HOUSING: THERMOPLASTIC. UL 94V-0 RATED, COLOR: BLACK.  
CONTACT: COPPER ALLOY.  
SHELL: COPPER ALLOY  
MYLAR: KAPTON TAPE.

## 2.FINISH;

CONTACT: UNDERPLATED 50u"MIN. NICKEL OVERALL  
100u" MIN. MATTE TIN PLATED ON SOLDERING AREA,  
SELECTIVE GOLD PLATED ON CONTACT AREA.

SHIELD: CODE N: NICKEL 40u" ~120u" PLATED OVERALL.  
T: SELECTIVE 60u" MIN. MATTE TIN ON LEGS OVER 40u"~120u" NICKEL.

3.10033526-X3212XLF MEETS THE EUROPEAN UNION DIRECTIVE AS DESCRIBE  
IN GS-22-008 AND ITS HSG WILL WITHSTAND EXPOSE TO 260 DEGREE C  
PEAK TEMPTURE FOR 10 SECONDS IN A IR REFLOW APPLICATION.

4. PRODUCT SPEC: GS-12-174 ; PACKAGE SPEC: GS-14-873.

### 5. PRODUCT ORDERING DATA :

FOR LEAD-FREE

10033526 - N X X X X M LF  
 T T T T T T LF: Lead Free

- LF: Lead Free

- M: WITH MYLAR  
BLANK: WITHOUT MYLAR

- PACKAGING METHOD:

## 2: TAPE & REEL PACKAGING

- POST OPTION:

1 : WITH PLASTIC POST.

2 : WITHOUT PLASTIC POST.

- HSG MATERIAL:

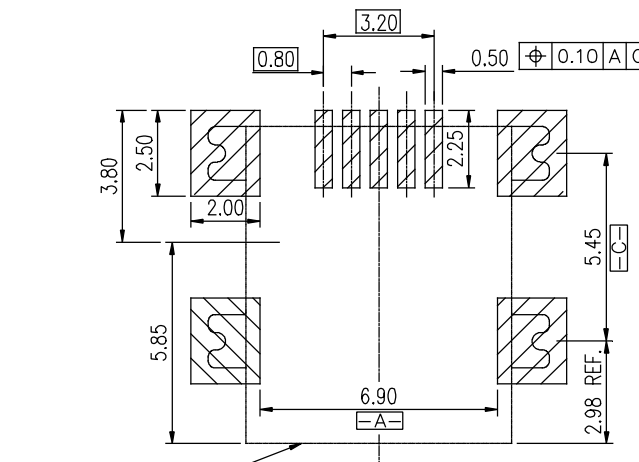
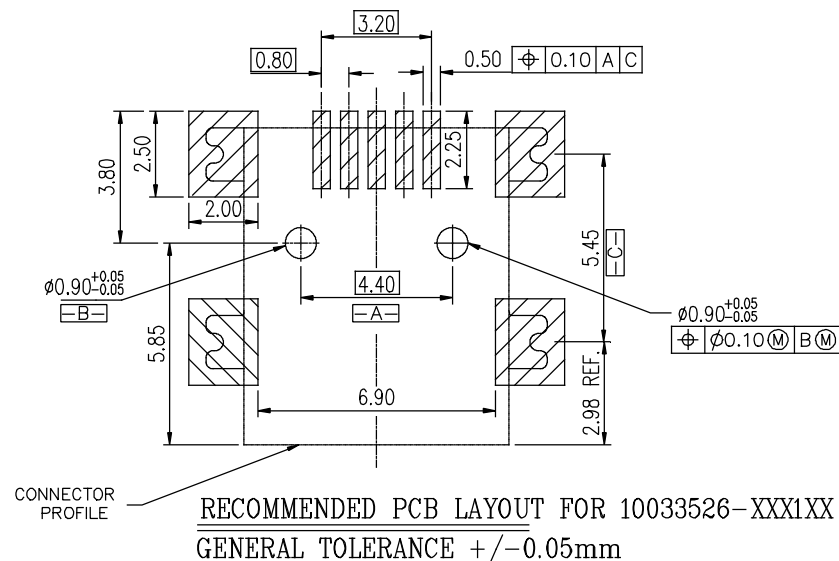
1 OR 2 : HIGH TEMP THERMOPLASTIC

- PLATING IN CONTACT AREA:

3 : 30u" Au.

— N: NICKEL FOR SHIELD.

T: SELECTIVE TIN ON LEGS.



RECOMMENDED PCB LAYOUT FOR 10033526-XXX2X  
GENERAL TOLERANCE  $+/-0.05\text{mm}$

[illegible]