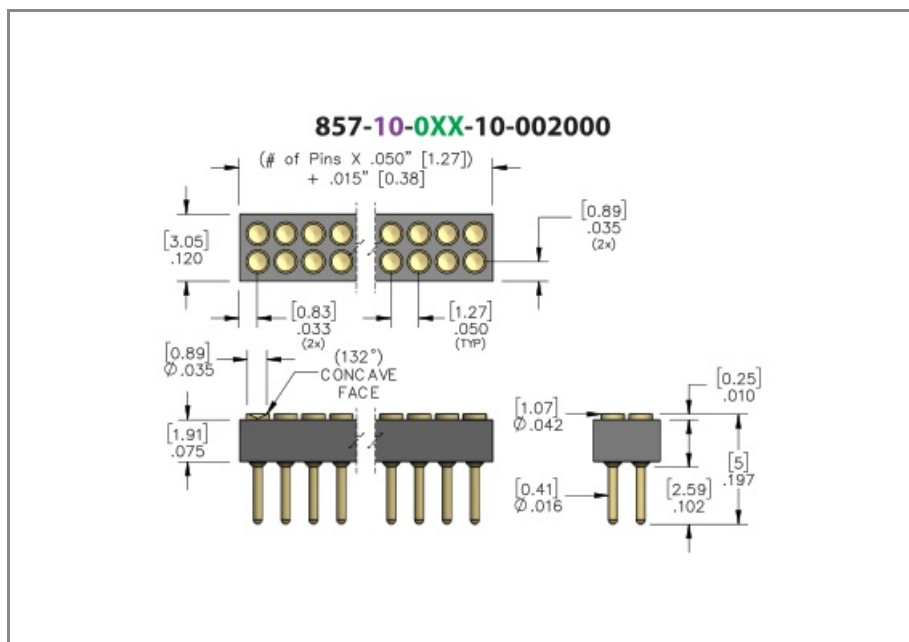




PRODUCT NUMBER: 857-10-024-10-002000

www.mill-max.com  
DATA SHEET



General Information	
1 Product Lifecycle:	Active
Product Family:	Spring-Loaded Connector
Type:	Pad Connector with Concave Face
2 Description:	PCB Mount Target Pad Header
Description2:	Vertical Mount Through Hole with Concave Face
Pitch:	.050" (1,270mm)
Number of Pins:	24
3 Operating Temperature Range:	-55/+125° C
Country of Origin:	USA
4 ROHS:	Yes

## 857-10-024-10-002000 - SPECIFICATIONS

Product Attributes	
5 Plating Code:	10 - shell: 10 $\mu$ " Gold over 100 $\mu$ " Nickel
Insulator Material:	Nylon 4/6
Rows:	Double Row
Frame Type:	N/A
Contact Number:	N/A
Target Face Type:	Concave Face

Key Dimensions	
Insulator Height:	.075" (1,905mm)

Electrical Specifications	
Insulation Resistance:	10,000 M $\Omega$ min.
Rated Voltage:	100 VRMS/150 VDC
Dielectric Withstanding Voltage:	1,000 VRMS min.

Mechanical Specifications	
6 Shock:	No Elect. Discontinuity > 1 $\mu$ s @ 50g
7 Vibration:	No Elect. Discontinuity > 1 $\mu$ s @ 10-2000HZ, 15 G

Mounting Specifications	
Mounting Type:	Through Hole Solder Mount

Packaging Information	
8 Packaging:	Packaged in Box or Tube
Tape Width:	N/A

## Environmental & Export Classifications

REACH Status:	REACH Unaffected
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Cage Code:	3N087
Moisture Sensitivity Level (MSL):	1 (Unlimited)
Special Handling Code:	UNDF
Prop 65:	N
Static Sensitive:	N

## NOTES:

1. Part is Active and in Production, No Scheduled Obsolescence

2. **Standard Tolerances**

Assembly tolerance: +/- .010" (.25mm)

Connector Length "L"

Connector Length "L"	Tolerance
$L \leq 2"$ ( $L \leq 50.8$ mm)	+/- .005" (+/- .127 mm)
$2 < L \leq 3"$ ( $50.8 < L \leq 76.2$ mm)	+ .007 / - .006" (+ .178 / -.152 mm)
$3 < L \leq 4"$ ( $76.2 < L \leq 101.6$ mm)	+ .009 / - .007" (+ .229 / -.178 mm)
$4 < L \leq 5"$ ( $101.6 < L \leq 127$ mm)	+ .011 / - .008" (+ .279 / -.203 mm)
$5 < L \leq 6.4"$ ( $127 < L \leq 162.56$ mm)	+ .013 / - .009" (+ .330 / -.229 mm)

Insulator width: +/- .005 (.13mm)

Insulator height: +/- .005 (.13mm)

Co-planarity of SMT connectors: .005" (.13mm) up to 1" (25.4mm) in connector length

Insulator Flatness: .005" (.13mm) up to 1" (25.4mm) in connector length

Pin Length: +/- .005 (.13mm)

Pin Diameter: +/- .002 (.051mm)

Pin Angle: +/- 2°

3. Per IEC 60512-11-(4,-9,-10,-12)

4. Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3 (2015/863/EU).

5. **Pin Plating:** 10  $\mu$ " Gold over 100  $\mu$ " Nickel

6. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock

7. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

8. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.

