

Rated Current:3.0AMP
Contact Resistance:20mΩ max
Withstand Voltage:1000V AC/DC
Insulation Resistance:1000MΩ min
Operation Temperature:-25℃ to +85℃

Technical drawing of the OMEXCON connector, showing front, side, and cross-sectional views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall width: 6.50 [1.256]
- Overall height: 14.90 [.587]
- Pin diameter: $\phi 1.50$ [$\phi .059$]
- Pin length: 3.00 [.118]
- Pin spacing: 1.37 ± 0.05 [.054 ± 0.002]

Side View Dimensions:

- Overall length: 11.00 ± 0.25 [.433 ± 0.010]
- Pin length: 4.80 [.189]
- Pin diameter: 2.30 [.091]
- Pin length: 1.50 [.059]
- Pin length: 3.90 [.154]
- Pin length: 1.65 ± 0.05 [.065 ± 0.002]
- Pin length: 2.90 ± 0.15 [.114 ± 0.006]
- Pin length: 0.25 [.010]

Cross-sectional Views:

- Section A-A:**
 - Overall width: 2.80 ± 0.30 [.110 ± 0.012]
 - Pin length: 2.60 ± 0.30 [.102 ± 0.012]
- Section B-B:**
 - Overall width: 2.00 ± 0.30 [.079 ± 0.012]
 - Pin length: 1.85 ± 0.30 [.073 ± 0.012]

Other Dimensions:

- Pin length: 0.45 ± 0.05 [.018 ± 0.002]
- Pin length: 0.50 ± 0.10 [.020 ± 0.002]

Part No.	Thickness	Finish	Material	Wire Range	Insulation O.D.
5785-4000	0.25	Gold/Tin	Phosphor bronze	AWG#20~#24	1.55mm(Max)
5780-2000	0.25	Tin-Plated	Phosphor bronze	AWG#20~#24	1.55mm(Max)

					OPERATION		DRAW	William Chen	2010.01.03	SCALE	1:1		
					X.X	±0.40	DESIGN			UNIT	mm		
					X.XX	±0.25		CHECK			SIZE	A4	PART NO.
A0	2010/01/03	NEW	_____	_____	X.XXX	±0.15	APPROVE				SHEET	1/1	TITLE:
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	Angle	± 3'		DIM	TOL	PROJ.		Customer NO.	