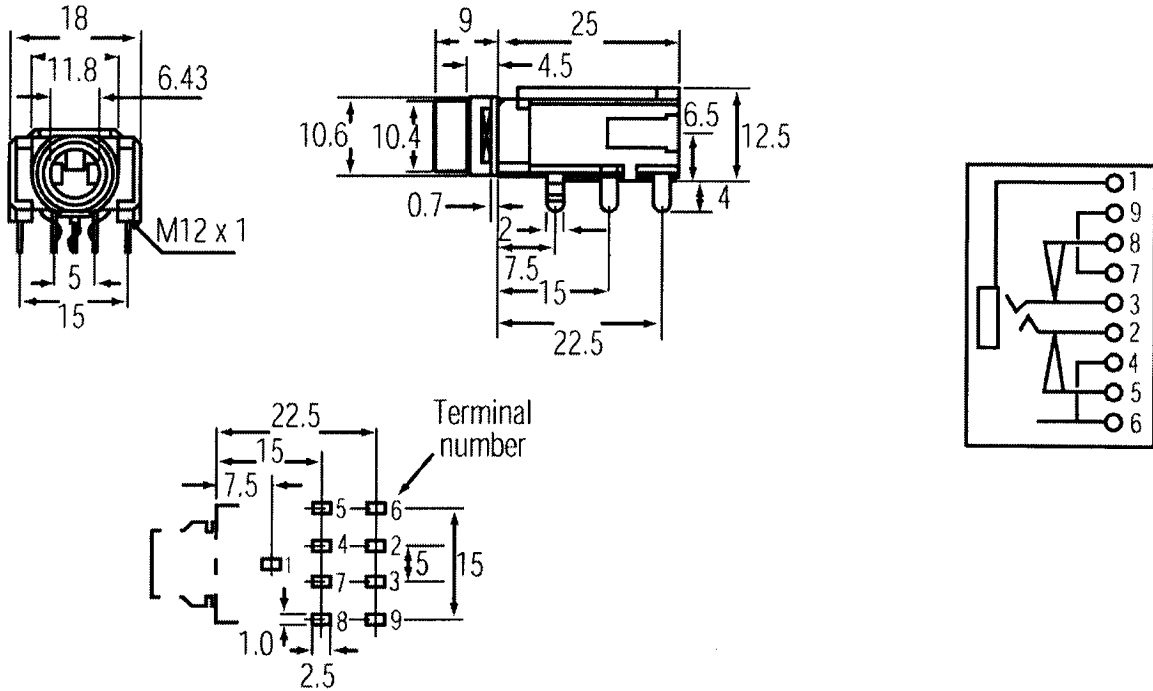


## Professional Jack Socket

**Jalco JS-5077**



1. Application : This specification applies to 6.5 Dia Phone Jack
2. Mate Plug :
3. Rating : DC 12V 1A
4. Appearance : 6.5 Dia Phone Jack shall be free from crack, burr or rust, which can reduce performance
5. Practical Temperature Range : -25 to 70°C (Humidity range 85% RH Max)  
Storage Temperature Range : -40 to 70°C (Humidity range 85% RH Max)
6. Test Condition : The test and measurement, unless otherwise specified, shall be carried out at a temperature of 15 to 35°C, relative humidity of 25 to 85%, and atmospheric pressure pf 86 to 106kPa (860 to 1060 mbar)  
However, when any doubt arises on the judgement value under it, the test and measurement shall be carried out at a room temperature of 20±2°C, relative humidity of 60 to 70%, and atmospheric pressure of 86 to 106kPa (860 to 1060 mbar)

### 7. Electrical Efficiency

Item	Test Conditions	Requirements
7.1 Withstand voltage	500v AC is applied between any open contacts for 1 minute. (Interrupting current : 1mA)	Not breaking insulation
7.2 Insulation resistance	500v DC is applied between any open contacts	100MΩ Min.
7.3 Contact resistance	Using mate plug and mΩ meter. (100mA Max.)	Between plug and contact 50 mΩ Max Between contact and contact 30mΩ Max

## 8. Mechanical Efficiency

Item	Test Conditions	Requirements
8.1 Synthetic insertion force	Initial readings using mate plug	5-40N (0.5-4kgf)
8.2 Synthetic drawing force	Initial readings using mate plug	5-40N (0.5-4kgf)
8.3 Fix strength of contact	Static force of 5N (500gf) is applied in any direction to the of contact for 10 seconds (Bending of contact may be acceptable)	The contact shall not pull out, and shall not break at part of fix. But contact may be deformed
8.4 Fix strength of cover	Static force of 40N (4kgf) is applied to the cover	The cover shall not pull out

## 9. Durability & Weather-proof Efficiency

Item	Test Conditions	Requirements
9.1 Humidity test	40±2°C in temperature and 93± <sup>2</sup> / <sub>3</sub> % RH for 96 hours. After testing jack shall be left alone for 1 to 2 hours in a room ambient	Insulation resistance 10MΩ Min 7-1, 7-3, 8-1, 8-2 shall be satisfied
9.2 Heat test	70±2°C in temperature for 96 hours. After testing jack shall be left alone for 1 to 2 hours in a room ambient	4, 7-1, 7-2, 7-3, 8-1, 8-2 shall be satisfied
9.3 Life test	5000 cycles operations at a rate of 10-30 cycles in 1 minute without load.	Contact resistance Between plug and contact 100mΩ Max. Between contact and contact 60mΩ Max. 8-1, 8-2 shall be satisfied
9.4 Soldering heat	Jack for PCB temperature of solder 270±5°C, dipping time 5±0.5 seconds	Clause 4 shall be satisfied
9.8 Solderability	JIS C 0053 Temp : 235±3°C Flux : MH-820V (Tamura Kaken Co Ltd) Part of sample : Terminal Tip Depth of Immersion : 2±0.5mm Duration of Immersion : 7 seconds	The time from start of immersion in the solder bath to zero balance point shall be within 5 seconds