AMPLIMITE®
.050 SERIES
CONNECTORS

(050 X .100 CENTERLINE
"D" STYLE CONNECTORS)

PRESENTED TO A.N.S.I. X3T9 COMMITTEE
FOR CONSIDERATION OF USE IN SCSI-2 AND WIDE SCSI
BY AMP INCORPORATED
AMPLIMITE®
.050 SERIES CONNECTOR
PRODUCT SPECIFICATION

MATERIAL (CABLE CONNECTOR)
CONTACTS Phosphor Bronze – Gold Duplex Plated
HOUSING 94 V-0 Rated Thermoplastic
SHELL Tin Plated Steel
BACKSHELL Nickel Plated Zinc

MATERIAL (PWB CONNECTOR)
CONTACTS Phosphor Bronze – Gold Duplex Plated
HOUSING 94 V-0 SMT Compatible Thermoplastic
SHELL Tin Plated Steel

MECHANICAL
WIRE GAUGE 28 – 30 AWG
DURABILITY 100 cycles min.
INSERTION FORCE 1.5 oz. avg/contact
EXTRACTION FORCE .75 oz. avg/contact

ELECTRICAL
CURRENT RATING 1 Amp
DIELECTRIC WITHSTANDING VOLTAGE 250 Volts AC
TERMINATION RESISTANCE 50 milliohms max.
INSULATION RESISTANCE 1000 Megohms min.
TEMPERATURE RANGE −55°C to 105°C
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FEATURES

* HIGH DENSITY (.050 x .100 CENTERLINE)
* STAGGERED LEADS FOR EASY PWB ROUTINGS (FOUR ROWS .100 X .075 CENTERLINE)
* FAMILIAR "D" TYPE POLARIZATION
* RUGGED (RECEPTACLES ARE FULLY PROTECTED, SHIELDED VERSIONS HAVE DIE CAST STRUCTURAL COMPONENTS)
* MULTIPLE SOURCES (A MINIMUM OF 3 INTERMATEABLE AND FOOTPRINT COMPATIBLE INDEPENDENT MANUFACTURERS)
* SQUEEZE-TO-RELEASE LATCHES (USER FRIENDLY – ELIMINATES SCREW-TYPE HARDWARE)
* DISCRETE OR MASS WIRE TERMINATION (FLAT RIBBON CABLE, ROUND-TO-FLAT, TWISTED PAIR, ETC.)
* TAB AND RECEPTACLE CONTACTS (TABS MATE WITH TUNING FORK RECEPTACLES FOR CONTROL AND HIGH RELIABILITY)
* SHIELDED AND UNSHIELDED (INTERNAL OR EXTERNAL CABINET APPLICATIONS)
* NON-PROPRIETARY INTERFACE (NO PATENT COMPLICATIONS)
* SHIELDED RECEPTACLE PROVIDES ESD AND SHORTING PROTECTION (PROTECTS SENSITIVE CIRCUITS)
* SHIELD MATES BEFORE CONTACTS (GROUND MAKES FIRST, BREAKS LAST)
* INTERFACE IS READILY ADAPTABLE TO DIVERSE CONNECTOR STYLES (CAN SATISFY MANY CONFIGURATION REQUIREMENTS)
* KEYING AND MANY HARDWARE OPTIONS
* COMMERCIALY AVAILABLE (YEARS OF COMMERCIAL USE)