



Mod Mosaic DG+ M1 1xRJ45, Angled, 568B, UTP, PowerCat 6, White



FEATURES SUMMARY

Angled Mod Mosaic modules feature full compatibility (even on the component level) with standards that define the Category 6 requirements, as certified by ETL SEMKO. Unlike in other available products, the KATT Insulation Displacement Connector (IDC) contacts are V-shaped and flexible. That is why the contacts flex only slightly when connecting conductors, thus minimising fatigue and extending the product life. With the enhanced housing shape, installation is now easier: conductors are arranged in their slots almost automatically, and the stuffer cap fully protects wires in place. The double colour coding system enables 568A or 568B conductor configuration. The modules feature full protection against RJ 11 plugging thanks to the choice of materials and the shape of the contacts. Each RJ 45 port has a unique automatic shutter that keeps the jack clean inside and ensures correct connections. A spring loaded mechanism in the module closes the shutter every time a patch cord is unplugged. Any incorrectly inserted plug is ejected by the spring loaded mechanism, which eliminates dummy connections that do not enable transmission but make fault detection more difficult. Moreover, the moving shutter wipes all jack contacts clean upon each connect/disconnect, minimising potential maintenance effort. Mod Mosaic modules as well as panels can be labelled individually using special label holders that come in more than ten colours. The unique design enables the replacement of single ports.

Standards compliance: TIA/EIA-568-B.2-1, FCB Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002.

ELECTRIC PARAMETERS:

Resistance: < 20mΩ
Resistance margin: < 2.5mΩ
Insulation resistance: > 100MΩ

TRANSMISSION PARAMETERS:

Insertion Loss_[1-250MHz] ≤ 0.02 √f dB
NEXT_[1-250MHz] ≥ 54-20log(f/100) dB
FEXT_[1-250MHz] ≥ 43.1-20log(f/100) dB
RL_[1≤f<50MHz] ≥ 30 dB
RL_[50≤f≤250MHz] ≥ 24-20log(f/100) dB
LCL_[1-250MHz] ≥ 28-20log(f/100) dB

Jack
Operating life: > 750 cycles
Contacts: Phosphor bronze
Contact plating: 1.25µm gold on 2.50µm nickel

Housing: UL94V0

IDC Connector
Housing: UL94V0
Operating life: > 200 cycles
Contacts: Phosphor bronze
Contact plating: Sn 60%/Pb 40% alloy
Supported conductors: 26-22 AWG (solid/stranded)

Data Gate port labels:
CSP-00021– ** "blank"
CSP-00022– ** "computer"
CSP-00023– ** "phone"
(60 pcs.)

Labelling colour options:
01 - almond, 02 - white, 04 - black,
05 - ivory, 08 - grey, BL - blue,
GR - green, PP - purple, RD - red,
RG - orange, YL - yellow

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Part number	Name
MLG-00021-02	Mod Mosaic DG+ M1 1xRJ45, Angled, 568B, UTP, PowerCat 6, White
16B-X004	Mod Mosaic DG+ M1 1xRJ45, Straight, 568B, UTP, PowerCat 6, White

MOLEX PREMISE NETWORKS:

**Eastern Europe
Headquarters**
Molex Premise Networks Sp. z o.o.
ul. Powązkowska 44 C
01-797 Warszawa
Tel. +48 22 326 07 20
Fax +48 22 326 07 30

www.molexpn.com.pl

**Corporate Headquarters
Molex Premise Networks**
8 Executive Drive
Hudson, NH 03051 USA
Tel. +1 603-324-0200
Toll Free +1 800-866-3827
Fax +1 603-577-8770

www.molexpn.com

**Western Europe Headquarters
Molex Premise Networks Limited**
Concorde Way,
Sewsons North
Fareham Hants
PO15 5RL England
Tel. +44 (0) 1489 572 111
Fax +44 (0) 1489 559 106

www.molexpn.co.uk

**Asia Pacific Headquarters
Molex Premise Networks
PTY Limited**
60-78 Abey Road
Melton, Victoria,
Australia 3337
Tel. +61 3 99 71 7111
Fax +61 3 99 71 7199

www.molexpn.com.au