



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

06P CMNL HDR ASSY NATL

MATE-N-LOK | Commercial MATE-N-LOK

1-380999-0

TE Internal Number: 1-380999-0

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **12**

Number of Positions **6**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

6 CIRCUIT MATE-N-LOK P.C. BOARD HEADER

PDF
English

CAD Files

Customer View Model

2D_DXF.ZIP
English

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

3D PDF

PDF
English

Catalog Pages/Data Sheets

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

PDF
English

Product Specifications

Product Specification

Commercial MATE-N-LOK Printed Circuit Board Headers

PDF
English

Application Specification

MATE-N-LOK Commercial Pin And Socket Contacts

PDF
Japanese

MATE-N-LOK Commercial Pin And Socket Contacts

TIF
Japanese

Commercial MATE-N-LOK Pin And Socket Contacts

PDF
English

Qualification Test Report

AMP Commercial MATE-N-LOK Printed Circuit Board Headers

PDF
English

AMP Commercial MATE-N-LOK Printed Circuit Board Headers

Product Environmental Compliance

TE Material Declaration

[MD_1-380999-0_09292015819_dmtec](#)
PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Header
	Contact Type	Pin
Configuration Features	Number of Positions	6
	Centerline	4.95 mm [.195 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	2
	Row-to-Row Spacing	9.14 mm [.36 in]
Electrical Characteristics	Contact Current Rating (A)	12
	Operating Voltage (VAC)	250
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Post/Tail Length	3.81 mm [.149 in]
Mechanical Attachment	Mating Retention	With
	Mating Retention Type	Positive Lock
	Mating Alignment	With
	Mating Alignment Type	Polarization
Housing Features	UL Flammability Rating	UL 94V-2
	Housing Color	Natural
	Housing Material	Thermoplastic
Dimensions	PCB Thickness (Recommended)	1.57 mm [.062 in]
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Board

Applies To **Printed Circuit Board**
Operating Temperature **-55 – 105 °C [221 – 221 °F]**

Industry Standards

UL Rating	Certified, Recognized
VDE Tested	No
CSA File Number	LR16455
Agency/Standard Number	E28476
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

For Use With	Socket (Plug) Housing
--------------	------------------------------

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 1 Results

[View All](#)

Compare 0/10

Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors
MATE-N-LOK I Commercial MATE-N-LOK

06P CMNL PLUG HSG
M/M NATL - 1-480270-0

TE INTERNAL NUMBER: 1-480270-0
ALIAS ID: 1-0480270-0

✓ Active

Always EU RoHS/ELV Compliant

