

© 2021

TE Connectivity. All Rights Reserved.

PROJECT

PRJ-14-000004825

PART NO

X-2823445-X

HV DESC

RAIL M12, D-CODED,MALE

CUSTOMER

GENERAL MARKET

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B2	CRIMP TOOL INFORMATION UPDATED	13JAN2021	GK	SE

M12 D-4 MALE CONNECTOR

56

ø16

M12 D-4 MALE CONNECTOR BULK HEAD

56

19

Pos1

Pos2

Pos3

Pos4

Pos5

Pos6

EXPLODED VIEW

TE PN	Description	Coding	Number of positions	Gender	Number of contacts included	Connector type	Applicable on cable	Manufacturer PN	Category	Color	Conductor size	Conductor stripping	Jacket cutting	Hand tool	Contact positioner	Crimp Selection number*	Crimp tool	Tool Setting	Handle	Insert for handle	Connector assembly tool
1-2823445-1	M12 D-M-4, CRIMP, CAT5 RADOX 6.6MM, H&S	D	4	Male	4	Straight	Radox 6.6mm	H&S 12584038	Cat 5	Black	4 x AWG22	734185-1	2119000-1	601966-1	1-2823581-1	6	2380757-2	ORANGE	1-2823560-1	1-2823561-1	1-2823564-1
1-2823445-2	M12 D-M-4, CRIMP, CAT 5 RADOX 7.3MM, H&S					Straight	Radox 7.3mm	H&S 12568935	Cat 5	Black	4 x AWG22					6		GREEN			
1-2823445-3	M12 D-M-4, CRIMP, CAT 5 RADOX 8.3MM, H&S					Straight	Radox 8.3mm	H&S 12585489	Cat 5	Black	4 x AWG20					7		BLUE			
1-2823445-4	M12 D-M-4, CRIMP, CAT 7 RADOX 8.2MM, H&S					Straight	Radox 8.2mm	H&S 84124806	Cat 7	Black	8 x AWG24					5		BLUE			
1-2823445-5	M12 D-M-4 CRIMP, CAT 5 RADOX 7.3MM, H&S					Straight	Radox 7.3mm	H&S 12568935	Cat 5	Black	4 x AWG22					6		GREEN			
1-2823445-6	M12 D-M-4 CRI CAT5 MEGALINE 5.3MM, LEO					Bulkhead	Megaline 5.3mm Leoni	Leoni 20123 3103012	Cat 5	Grey	8 x AWG26					4		WHITE			
1-2823445-7	M12 D-M-4 CRIMP, CAT 7, RADOX 8.2MM, H&S					Bulkhead	Radox 8.2mm	H&S 84124806	Cat 7	Black	8 x AWG24					5		BLUE			
1-2823445-8	M12 D-M-4 CRIMP, CAT 5, 6.7MM, BELDEN					Straight	Belden 6.7mm	Belden BE43769	Cat 5	Black	8 x AWG22					6		WHITE			
1-2823445-9	M12 D-M-4 CRIMP CAT 5 RADOX 6.6MM, LEO					Straight	Leoni	Leoni 303195	Cat 5	Black	4 x AWG22					6		ORANGE			
2-2823445-0	M12 D-M-4 CRIMP, TE CAT 7 8.4MM					Straight	TE Cat 7 cable TECC0011C7	TE 2297799-1	Cat 7	Blue	8 x AWG24					5		YELLOW			
2-2823445-1	M12 D-M-4 CRIMP, CAT 5E, 6.5MM, TE					Straight	TE Cat 5e cable TECC0026C	TE 2320808-1	Cat 5e	Blue	4 x AWG22					6		ORANGE			
2-2823445-2	M12 D-M-4 CRIM CAT5E ROCKBESTO TD-0103					Straight	Exane	Rockbestos TD-01030	Cat 5e	Black	4 x AWG24					5		WHITE			

ISO VIEW

M12 D-4 MALE CONNECTOR

ISO VIEW

M12 D-4 MALE CONNECTOR BULK HEAD

PANEL CUT-OUT AS SHOWN

1X45°

1X45°

13.5

ø16.1

M16x1.5

NOTES:

• ALL DIMENSIONS ARE FOR NOMINAL REFERENCE ONLY.

• PACKAGING: 1 PIECE IN A BOX, CONTACTS INCLUDED.

• THE CONNECTOR IS AS PER IEC 61076-2-101.

• TEMPERATURE RANGE: WITH CABLE BOOT -40°C TO +70°C.

WITHOUT CABLE BOOT -40°C TO +85°C.

• VIBRATION & SHOCK TEST CONDUCTED AS PER IEC 61373: CAT 1 CLASS B.

• FIRE PERFORMANCE CONDUCTED AS PER EN45545-2 HL3 R22/R23, NFF16-101 AND NFF16-102.

• SPECIAL CRIMP FLANGE SYSTEM WITH CRIMP INSERT AND CRIMP SLEEVE SECURES THE EFFECTIVE SHIELDING OVER THE LIFETIME WITH EXTREMELY HARD CONDITIONS.

• VIBRATION AND TORSION-PROOF CABLE STRAIN RELIEF FOR ROUGH ENVIRONMENT ACHIEVED BY HEXAGONAL CRIMP OF THE CRIMP SLEEVE OF THE CRIMP FLANGE SYSTEM.

• DEGREE OF PROTECTION: IP 67 (ONLY SCREW-LOCKED).

• DATA TRANSMISSION RATE: 10/100 Mbit/s.

• CURRENT RATING: 4A, NOMINAL VOLTAGE: 50V, CONTACT RESISTANCE: ≤ 5 mΩ, INSULATION RESISTANCE: ≥ 100 mΩ.

• DURABILITY: ≥ 200 MATING CYCLES

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

MATERIAL

-

DWN 16APR2019

GOPALAKRISHNA HV

CHK 16APR2019

S EGBERT

APVD 16APR2019

S EGBERT

PRODUCT SPEC

108-156001

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

RAIL M12, D-CODED

MALE 4 CRIMP CONNECTORS

SIZE A3

CAGE CODE 00779

DRAWING NO C-2823445

RESTRICTED TO

SCALE NTS

SHEET 1 OF 1

REV B2

6	GRIP BOOT	TPE WITH S3 & SR2 (DIN 5510-2)	1	PC
5	BACK NUT & SLEEVE	Cu ALLOY Ni-PLATED	1	PC
4	CRIMP INSERT	Cu ALLOY Ni-PLATED	1	PC
3	CONTACT HOLDER	THERMOPLAST	1	PC
2	CRIMP CONTACTS MACHINED	Cu ALLOY Ni-Au PLATED	SEE TABLE	PC
1	FRONT HOUSING	Cu ALLOY Ni-PLATED	1	PC
SL. NO.	DESCRIPTION	MATERIAL	QTY	UNITS

1470-19 (1/15)

REV

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-2823445-5](#)