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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		INITIAL RELEASE	01 JUL 2021	G.W	C.W
B		ECR-25-235343	3SEP2025	G.W	C.W

M12, FEMALE, 8POLES

NOTE:  
 1. TECHNICAL DATA: SEE TABLE 1  
 2. RECOMMENDED PANEL CUTOUT AND PCB LAYOUT SEE DETAIL  
 3. PACKAGING: 16PCS IN A TRAY, 256 PIECE IN A BOX  
 NUTS&O-RING ARE PLACED IN THE MIDDLE OF TRAY  
 4. ALL DIMENSIONS ARE FOR NOMINAL REFERENCE ONLY  
 UNLESS OTHERWISE STATED

注释：  
 1. 技术参数，见表1  
 2. 推荐面板及PCB开孔尺寸详见如图所示  
 3. 包装：16PCS/托盘，256PCS/箱  
 螺母和O型圈放置于托盘的中间位置  
 4. 所有尺寸仅供参考，除非另有说明

3 TRAY PACKAGE  
 (NUTS&O-RING ARE PLACED IN THE MIDDLE OF TRAY)

HOUSING CUTOUT FOR PG9 FASTENING THREAD, MOUNTING  
 PANEL WITH FEEDTHROUGH HOULE (ALTERNATIVELY WITH  
 AREA AS ANTI-ROTATION PROTECTION FOR PANEL  
 THICKNESSES > 2.5MM UP TO MAX. 4.5MM)

RECOMMENDED PANEL CUTOUT

TABLE 1

TECHNICAL DATA	
RATED VOLTAGE	30V
RATED CURRENT	2A
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	II
DEGREE OF PROTECTION	IP67
OPERATION TEMPEATURE	-40~85°C

FOR 8POS.  
 RECOMMENDED PCB LAYOUT

T4141012081-030	RPC-M12-FF-8CON-PG9-PLBU	8
PART NUMBER	TYPE	POS.

MATERIAL	OTHERS	MATERIAL	DESCRIPTION	ITEM
-	EPOXY RESIN	POTTING ADHESIVE		6
GOLD PLATED	BRONZE	CONTACT		5
NICKEL PLATED	BRASS	METAL NUT		4
BLACK	RUBBER	O-RING		3
NICKEL PLATED	ZAMAK	M12, FEMALE, METAL BODY		2
-	PA66	M12, FEMALE HSG		1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GAVIN WANG 01 JUL 2021	TE Connectivity	
DIMENSIONS: mm		CHK KEVIN HUANG 01 JUL 2021		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD CHRIS WANG 01 JUL 2021	NAME M12 PANEL MOUNT CONNECTOR D CODE, FEMALE, FRONT PCB SOLDERING, POTTING	
0 PLC	±	PRODUCT SPEC	SIZE	CAGE CODE
1 PLC	±	108-106140	A2	-
2 PLC	±	APPLICATION SPEC	DRAWING NO	
3 PLC	±	114-137144	G-T4141012081030	
4 PLC	±	WEIGHT	RESTRICTED TO	
ANGLES	±	-	-	
FINISH	-	CUSTOMER DRAWING	SCALE	SHEET
-	-		2:1	1 OF 1
-	-			REV B

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