



Date: Apr 07, 2022

PCN No#: 040722-1

PCN Title: Additional a new wafer source for MCT04N15-TP

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Micro Commercial Components Corp(MCC) .We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local sales representative to acknowledge receipt of this PCN.

If you have any questions about PCN's products, please contact your local sales representative.

Sincerely,

MCC PCN Team



PRODUCT CHANGE NOTICE

Notification Date	Implementation Date	Effective Date Code	Change Type	PCN No
Apr 07, 2022	Apr 07, 2022	2216	Major	040722-1
TITLE				
Additional a new wafer source for MCT04N15-TP				
DESCRIPTION OF CHANGE				
1.To solve our delivery issue of MCT04N15-TP, MCC will add a new wafer source, below the change will not affect any reliability of the parts.				
IMPACT				
No change product performance. Table A: Typ.FT Data				
PRODUCTS AFFECTED				
MCT04N15-TP				
WEB LINKS				
Terms And Conditions:	https://www.mccsemi.com/Home/TermsAndConditions			
For More Information Contact:	https://www.mccsemi.com/Contact/Index			
Products:	https://www.mccsemi.com/ProductCategories			
DISCLAIMER				
Unless a MCC Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.				

Table A - Typ.FT Data

Parameter	Test Conditions	Spec	Current (Typ.)	New(Typ.)	Unit
$V_{(BR)DSS}$	$V_{GS}=0V, I_D=250\mu A$	150	152	152	V
$R_{DS(on)}$	$V_{GS}=10V, I_D=4A$	160	130	125	m Ω
$V_{GS(th)}$	$V_{DS}=V_{GS}, I_D=250\mu A$	1.5~2.5	1.92	1.85	V
V_{SD}	$V_{GS}=0V, I_S=1A$	1.2	0.85	0.8	V



Micro Commercial Components

Reliability Report

Part Number: MCT04N15-TP

Date: 2022-02-17

Test Results

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	T _a = 25 °C	N/A	all parts	see below
PC Preconditioning	JESD22A-113 Bake T _a = 125 °C Soak T _a = 85 °C, RH = 85% Reflow soldering	24 hours 168 hours 3 cycles	308Pcs	0
HTRB High Temperature Reverse Bias	JESD22-A108 T _j = T _{jmax} , V _R > 80% VDSS	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 -55 °C to T _{jmax}	1000 cycles	77Pcs	0
AC Autoclave	JESD22-A102 T _a = 121 °C, RH = 100 % Pressure = 2atm	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 T _a = 85 °C, RH = 85%, V _R > 80 % VDSS	1000 hours	77Pcs	0
IOL Intermittent Operating Life	MIL-STD-750 Method 1037 t _{on} = t _{off} , devices powered to insure ΔT _j = 100 °C for 15000 cycles	1000 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-A111 / JESD22-B106 260 °C (+5,-0) °C	10 s	77Pcs	0
SD Solderability	J-STD-002 245 °C ± 5 °C	3 s	77Pcs	0
LTSL Low Temperature Storage Life	JESD22-A119 T _a ≤ -55 °C	1000 hours	77Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 T _a ≥ 150 °C	1000 hours	77Pcs	0
HTGB High Temperature Gate Bias	JESD22-A108 150 °C, 100% VGS	1000 hours	77Pcs	0