

Technical Note TN-1357b

Obsolescence of the 2-way in-line Connector 240-04021-63

27 March 2008
(Updated 27 May 2008)

Applicability

This Technical Note applies to TM and T2000 accessories and kits using the IPN **240-04021-63**, Methode 2-way 24AWG inline connector widely known as the T2000 speaker plug.

1. Adoption of Molex MicroFit

The 240-04021-63 connector is no longer available. All TM and T2000 accessories and kits using this connector are changing to the Molex MicroFit plug and/or socket:

240-00110-00 SKT rcpt 2wy Molex MicroFit (needs 2x crimp terminals 240-00026-42).

240-00111-00 PLG rcpt 2wy Molex MicroFit (needs 2x crimp terminals 357-01056-00).

2. TMA accessories using 240-04021-63

Accessory	Name	Forms part of kit:	Kit name:
TMAA20-03	Cable (25W radio power connector to banana plug)	TMAA20-00	TM8000 Programming Kit
		TMAA21-00	TM8000 Service Kit
		TMAA23-00	TM9100/TP9100 Programming Kit
		TMAA24-00	TM9100/TP9100 Service Kit
		TMAA30-00	Hardware Developers Kit
		TMAA31-00	Enhanced Developers Kit
		50-00062 NODE MANDAN 50-00062 WHEATLAND TSM	Wheatland TSM
TMAA21-01	Cable (DB15 socket to RJ45 plug)	TMAA21-01	
		TMAA24-00	
		50-0045 Programming Accessories	Programming accessories
		50-00062 NODE MANDAN 50-00062 WHEATLAND TSM	Wheatland TSM
TMAA23-02	Cable (50W radio power connector to banana plugs)	TMAA20-00	TM8000 Programming Kit
		TMAA21-00	TM8000 Service Kit
		TMAA23-00	TM9100/TP9100 Programming Kit
		TMAA24-00	TM9100/TP9100 Service Kit
		50-0045 Programming Accessories	Programming accessories

Summary

The three TMA accessories using 240-04021-63 are used in a number of TMA Programming and Service Kits.

TMAA21-01 couples with either TMAA20-03 or TMAA23-02.

In the table above the **bold** kits indicate those which include mating cable pairs i.e TMAA21-01 with TMAA20-03 or TMAA21-01 with TMAA23-02.

Users are essentially unaffected by the replacement of the 240-04021-63 connector within these kits because after the change the cables will still mate.

The 240-04021-63 connector change will affect customers trying to connect to the remote speaker connector of the following TMA items:

- TMAA20-03 Cable (25W radio power connector to banana plug)
- TMAA21-01 Cable (DB15 socket to RJ45 plug)
- TMAA23-02 Cable (50W radio power connector to banana plugs)
- TMAA20-00 TM8000 Programming Kit
- TMAA23-00 TM9100/TP9100 Programming Kit
- TMAA30-00 Hardware Developers Kit
- TMAA31-00 Enhanced Developers Kit

The MicroFit plug is directly compatible with the socket (housing 240-00110-00 and 2x crimp terminals 240-00026-42) fitted to the TM8000 remote speaker.

A Molex MicroFit series plug (housing 240-00111-00 and 2x crimp terminals 357-01056-00) will replace 240-04021-63 on all these cables, except the TMAA21-01.

The TMAA21-01 will be fitted with the socket.

3. T2000 accessories using 240-04021-63

Accessory	Name	Notes
T220-01	T2000 15 Ohm Speaker	<i>Discontinued. Will not be updated to the new connector</i>
T220-02	T2000 3.5 Ohm Speaker	<i>Discontinued. Will not be updated to the new connector</i>
T2000-01	T2000 Kit - Cradle & Install	
T2000-05	T2000 Kit - Remote Speaker	
T2000-11	T2000 Kit - Service Test Lead	<i>Discontinued. Will not be updated to the new connector</i>
T2000-15	T2000 Kit - Power Lead	
T2000-18	T2000 Kit - X52 Enhanced Power Cbl	
T2000-809	T2000 Kit - Secondary Control - T2020	
T2004-A20	T2000 Kit - SII T2020 Primary Master Control Head	
T2004-A21	T2000 Kit - SII T2020 Secondary Master Control Head	
T2004-A40	T2000 Kit - SII T2040 Primary Master Control Head	
T2004-A41	T2000 Kit - SII T2040 Secondary Master Control Head	
T2000-A50	Hands Free Kit T2000 SI & SII	<i>Discontinued. Will not be updated to the new connector</i>
T2000-A51	Hands Free Kit T2000 SI & SII less Footswitch	<i>Discontinued. Will not be updated to the new connector</i>
T2000-U15	T2000 SII Power Lead - Unbadged	<i>Discontinued. Will not be updated to the new connector</i>
T2009-21	T2000 Kit - Desktop Power Supply 230V AVNZ	
T2009-22	T2000 Kit - Desktop Power Supply 120V US	
T2009-23	T2000 Kit - Desktop Power Supply 230V UK	
T2009-24	T2000 Kit - Desktop Power Supply 230V EUR	

Summary

The T2000 remote speaker (T2000-05) will be fitted with the Molex MicroFit socket (housing 240-00110-00 and 2x crimp terminals 240-00026-42) and will continue to be supplied with the 5m extension cable (219-02822-00) fitted with the new plug (housing 240-00111-00 and 2x crimp terminals 357-01056-00).

In the table above the **bold** kits indicate those which include both speakers and mating cables. The user is essentially unaffected by the replacement of the 240-04021-63 connector within these kits because after the change the items will still mate.

The 240-04021-63 connector change will affect customers trying to connect the following T2000 items to existing T2000 remote speakers:

- T2000-01 T2000 Kit - Cradle & Install
- T2000-15 T2000 Kit - Power Lead
- T2000-18 T2000 Kit - X52 Enhanced Power Cbl
- T2004-A20 T2000 Kit - SII T2020 Primary Master Control Head
- T2004-A40 T2000 Kit - SII T2040 Primary Master Control Head
- T2009-21 T2000 Kit - Desktop Power Supply 230V A/NZ
- T2009-22 T2000 Kit - Desktop Power Supply 120V US
- T2009-23 T2000 Kit - Desktop Power Supply 230V UK
- T2009-24 T2000 Kit - Desktop Power Supply 230V EUR

Compliance Issues None.

CSO Instruction None.

4. Issuing Authority

Name and Position of Issuing Officer Graham Brenchley
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