

	Doc or ECO #:	ECO-70191-002	Date:	07/30/18	Author:	SL
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	AEG	Date:		Quality Approval:	DO

P/N #:	70191	Effective Date:	July 30, 2018
Title:	PTFE Wire on Communications Module		

1.0 Purpose / Summary:

Switching from PVC insulated wire to PTFE insulated wire to prevent the insulation from melting during the assembly process.

2.0 Parts Affected:

Part Number	Notes	Removed	Added	New	Modified
70191	M5 Communication Module	☐	☐	☐	☒
71421	Wire 26 AWG Black PTFE	☐	☒	☐	☐
71422	Wire 26 AWG Red PTFE	☐	☒	☐	☐
71425	Wire 26 AWG Green PTFE	☐	☒	☐	☐
71456	Wire 26 AWG White PTFE	☐	☒	☐	☐

3.0 Detail:

- When soldering and applying heat to small core diameter 26 AWG wire the insulation would begin to melt making it increasingly difficult to solder.
- Switching to PTFE (Teflon) insulated wire solves the issue of the insulating melting during assembly

4.0 Disposition of Material:

- N/A

5.0 Action Items:

Action	Department	Acknowledgement Initials
Update BOM, Instructions	PE	SL
Update Epicor	Engineering	RN
Begin using PTFE Wire	Production	KK

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6.0 Modified / Referenced Documents:

Document	Current Revision
WI-70191-M5 Communications Module	A

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change
07-30-2018	Initial Release	Initial Release	SL