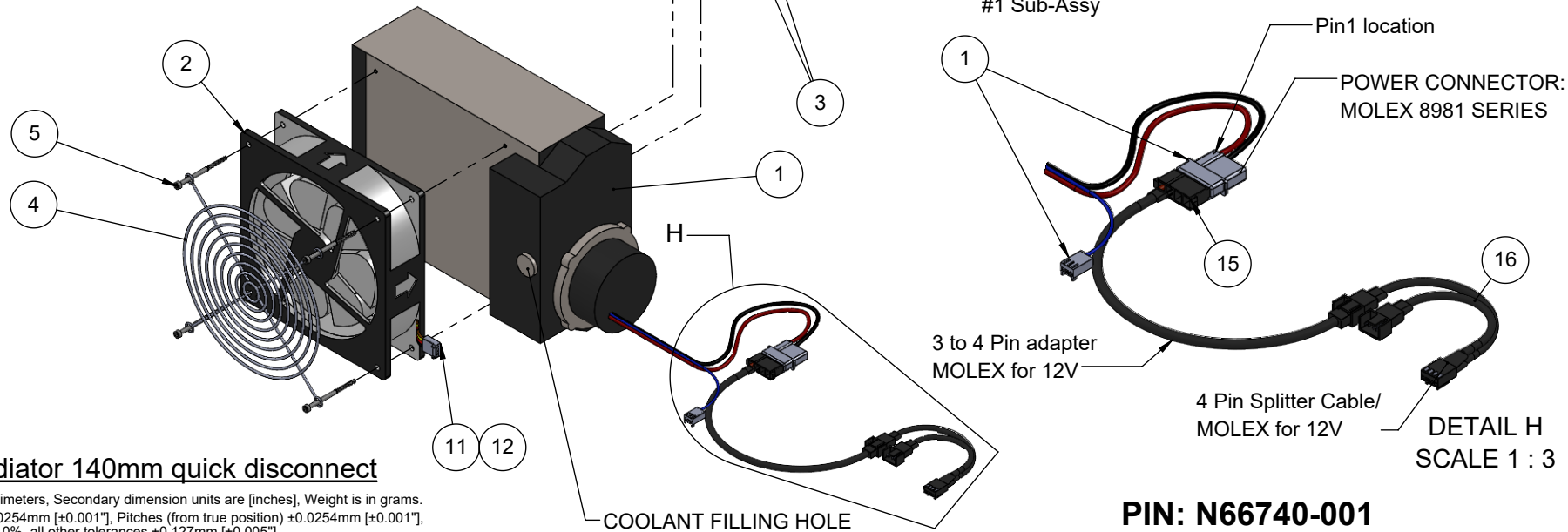



ITEM NO.	DESCRIPTION	QTY.
1	Radiator 140mm, Aluminum Fins, D5 Pump	1
2	Fan140mmx140mmx38mm, 12V, 130CFM 4 Wire leads	1
3	Straight one-touch air fitting, 8mm tube OD, G02 Thread	2
4	Fan Guard, 140mm Fan	1
5	Socket Head Screw, M3 x 0.5, 45mm L	4
6	Rubber Tubing, 8mm OD, 5mm ID, 3.0" L, 95A hardness, clear blue	1
7	6mm OD tube support	4
8	Rubber Tubing, 8mm OD, 5mm ID, 3.0" L, 95A hardness, clear blue	1
9	Male Quick Disconnect 8mm PTF	2
10	Female Quick Disconnect 8mm PTF	2
11	0.1" housing for 4 pin connector	1
12	Wire connector	4
13	Rubber Tubing, 8mm OD, 5mm ID, 31" L, 95A hardness, clear blue	1
14	Rubber Tubing, 8mm OD, 5mm ID, 31" L, 95A hardness, clear blue	1
15	CRJ 3-Pin Fan Header to 12V 4-Pin Molex Power Adapter Cable	1
16	4 Pin PWM Fan Splitter Cable - 4 Inches	1

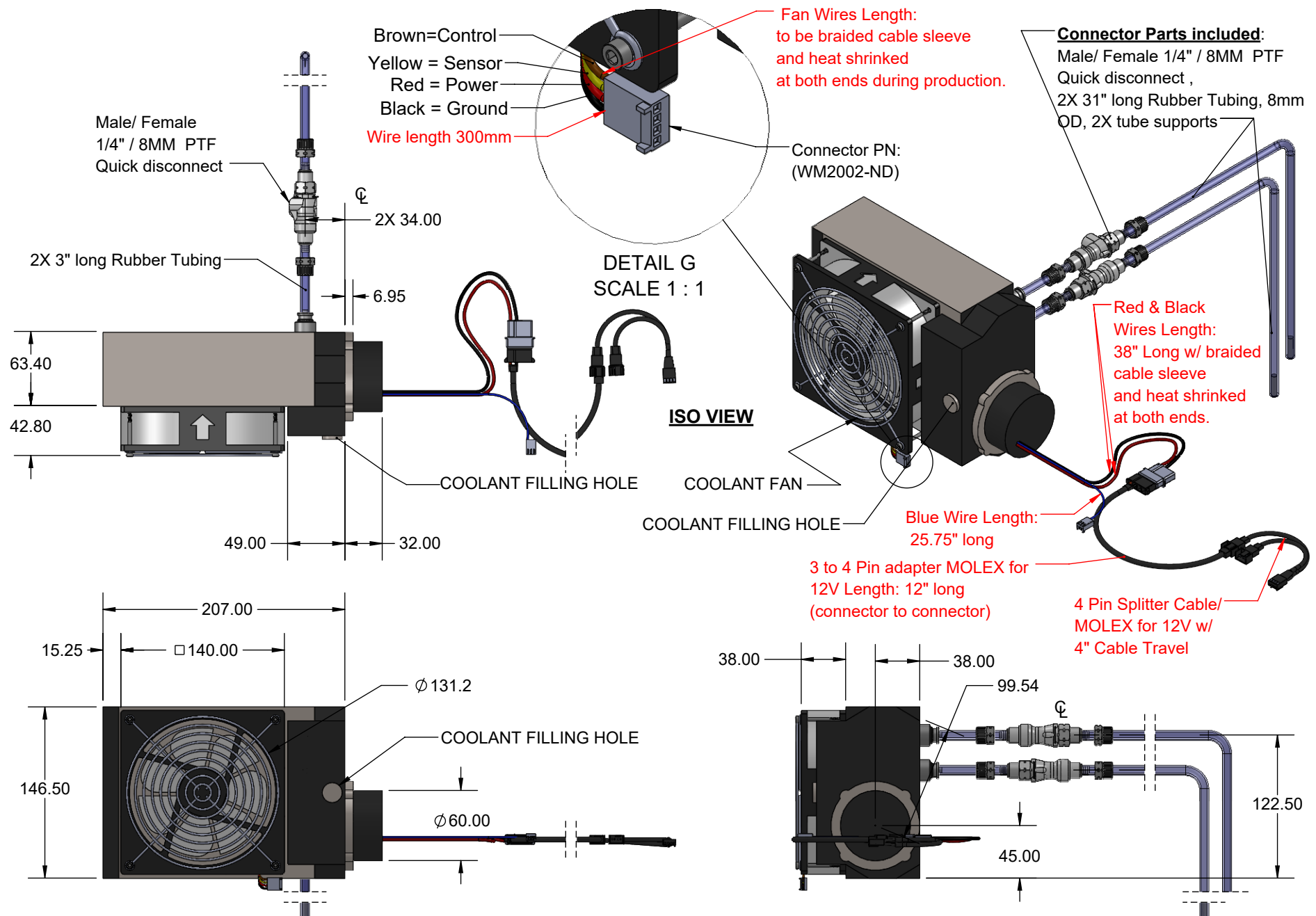


**Description: Radiator 140mm quick disconnect**

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.  
Tolerances: Hole diameters  $\pm 0.0254\text{mm}$  [ $\pm 0.001"$ ], Pitches (from true position)  $\pm 0.0254\text{mm}$  [ $\pm 0.001"$ ],  
substrate thickness tolerance  $\pm 10\%$ , all other tolerances  $\pm 0.127\text{mm}$  [ $\pm 0.005"$ ]  
unless stated otherwise. Materials and specifications are subject to change without notice.

**PIN: N66740-001**

	<b>THM-RAD-140-01 Drawing</b>	STATUS: Released	SHEET: 1 OF 3	REV. K
	©2023 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	ENG: J. Mei	DRAWN BY: J. Brown	SCALE: 1:4.5
		FILE: THM-RAD-140-01 Dwg	DATE: 11/08/2023	Weight: 523.57



## Description: Radiator 140mm quick disconnect

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.  
 Tolerances: Hole diameters  $\pm 0.0254\text{mm}$  [ $\pm 0.001$ "], Pitches (from true position)  $\pm 0.0254\text{mm}$  [ $\pm 0.001$ "],  
 substrate thickness tolerance  $\pm 10\%$ , all other tolerances  $\pm 0.127\text{mm}$  [ $\pm 0.005$ "]  
 unless stated otherwise. Materials and specifications are subject to change without notice.



### THM-RAD-140-01 Drawing

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 www.ironwoodelectronics.com

STATUS: Released

ENG: J. Mei

FILE: THM-RAD-140-01 Dwg

SHEET: 2 OF 3

DRAWN BY: J. Brown

DATE: 11/08/2023

REV. K


SCALE: 1:4.5

Weight: 523.57

Rev	Date	Initials	Description
A	11/08/2023		Original
B	12/6/23	JB	Revised assembly to include connector parts in BOM. Added 2X connectors, 2X tube supports and 2X tubes 18" long. Extended inner tube length to 6" was 3".
C	1/22/24	MR	added coolant filling hole label
D	2/5/24	JB	Add 6" more to the longer tubing and use 3" for the shorter tubing only. Revised descriptions & instructions to match & added note for 3" tubing.
E	10/7/24	JB	Changed 1 wire from blue to brown. Added lead wire color code. Added Detail G for clarity.
F	10/22/24	JB	Updated file for customer requested Spec information on Fan and radiator connecting parts
G	11/6/24	JB	Added 38" long note to Spec information on Sh#2/ customer requested
H	12/13/24	JB	Revised Radiator Assy w/ correct connectors and wiring. Removed the 3 way splitter & 4 way connector + 2X wire connectors.
J	1/12/25	JB	Added two new cable connector's for 3 pin to 4 pin conversion/ 12V
K	4/17/25	JB	Added Braided cable sleeves and Heat Shrink Tubing for both the fan wires and radiator wires. Fan wires to connect to bottom of Fan per request by customer. Updated tubing length(s)

### Description: Radiator 140mm quick disconnect

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.  
Tolerances: Hole diameters  $\pm 0.0254\text{mm}$  [ $\pm 0.001"$ ], Pitches (from true position)  $\pm 0.0254\text{mm}$  [ $\pm 0.001"$ ],  
substrate thickness tolerance  $\pm 10\%$ , all other tolerances  $\pm 0.127\text{mm}$  [ $\pm 0.005"$ ]  
unless stated otherwise. Materials and specifications are subject to change without notice.

	<b>THM-RAD-140-01 Drawing</b>	STATUS: Released	SHEET: 3 OF 3	REV. K
	©2023 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	ENG: J. Mei	DRAWN BY: J. Brown	SCALE: 1:4
		FILE: THM-RAD-140-01 Dwg	DATE: 11/08/2023	Weight: 523.57