

Reverse Polarity SMA Male (Plug) Connector For LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch, B7808A Cable, Crimp/Solder

RP SMA male connector with crimp/solder attachment for LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch and B7808A, part number FMCO1051, from Fairview Microwave is in-stock and ships same day. Our reverse polarity male configuration uses a male connector body with a female inner contact receptacle. This SMA male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.35:1.

Fairview's RP SMA male connector FMCO1051 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	

Mechanical Specifications

Size	
Length	0.997 in [25.32 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.0139 lbs [6.3 g]
Mating Torque	5 in-lbs [0.57 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Configuration:

- SMA Male Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch, B7808A Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.35:1
- Reverse Polarity
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies

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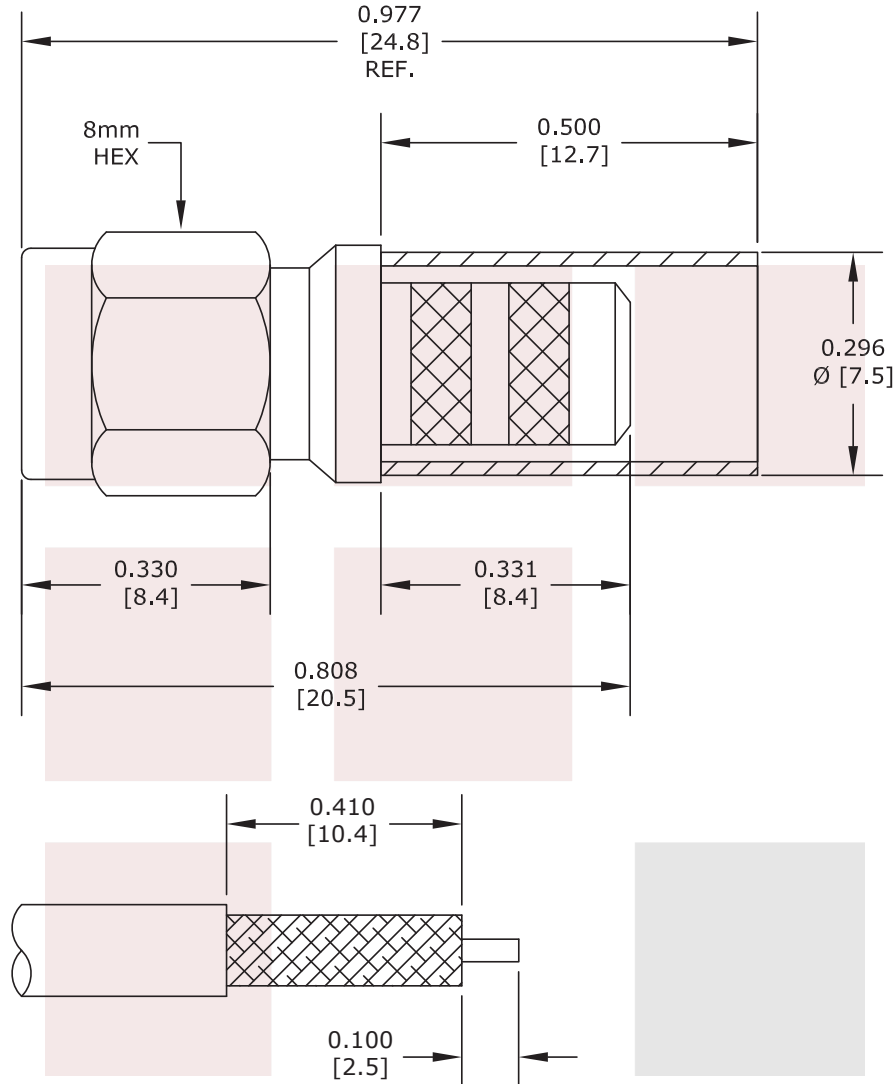
Reverse Polarity SMA Male (Plug) Connector For LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch, B7808A Cable, Crimp/Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Reverse Polarity SMA Male \(Plug\) Connector For LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch, B7808A Cable, Crimp/Solder FMCO1051](#)

URL: <https://www.fairviewmicrowave.com/sma-male-reverse-polarity-lmr-240-connector-fmco1051-p.aspx>

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STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE
Reverse Polarity SMA Male (Plug) Connector For LMR-240, LMR-240-DB, LMR-240-UF, RG8X, .240 inch, B7808A Cable, Crimp/Solder

DWG NO		FMC01051		CAGE CODE		3FKR5	
CAD FILE	030215	SHEET		SCALE	N/A	SIZE	A 2233

N Female (Jack) Bulkhead Connector For LMR-240 Cable, Crimp / Solder

Times Microwave Systems Connector Specification

Type N female bulkhead connector with crimp/solder attachment for LMR-240, LMR-240-DB, LMR-240-UF, RG8X and 0.240 inch, part number TC-240-NF-BH-X, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 8 GHz and offers good VSWR of 1.3:1. Fairview's TC-240-NF-BH-X bulkhead type N connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's type N female bulkhead connector TC-240-NF-BH-X datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		8	GHz
VSWR			1.3:1	
Insertion Loss			0.28	dB
DWV (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	1.73 in [43.94 mm]
Width/Dia.	0.81 in [20.57 mm]
Weight	0.09 lbs [40.82 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 pinches
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 80 pinches
Body	Brass	Tri-Metal

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C



Configuration:

- N Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- LMR-240, LMR-240-DB, LMR-240-UF, RG8X, 0.240 inch Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features:

- Operating Frequency of 8 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 50 pinches contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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Shock
Vibration
Thermal Shock

MIL-STD 202G, Meth. 213, Cond. I
MIL-STD 202G, Meth. 204, Cond. B
MIL-STD 202G, Meth. 107, Cond. B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

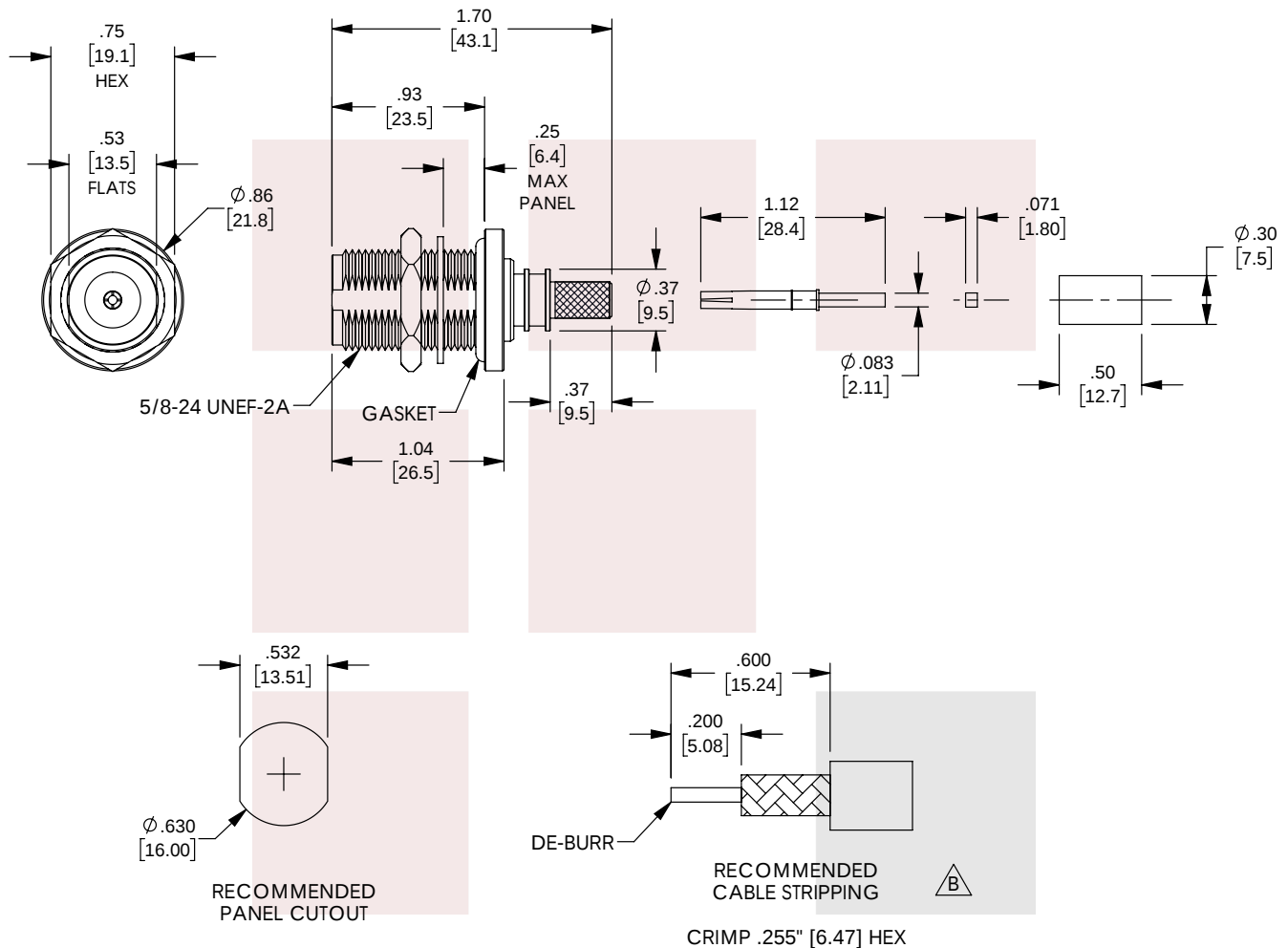
N Female (Jack) Bulkhead Connector For LMR-240 Cable, Crimp/Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Female \(Jack\) Bulkhead Connector For LMR-240 Cable, Crimp/Solder TC-240-NF-BH-X](#)

URL: <https://www.fairviewmicrowave.com/n-female-lmr-240-connector-tc-240-nf-bh-x-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	INITIAL RELEASE	07/01/2021	SELLIS



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TITLE

N Female (Jack) Bulkhead Connector For LMR-240
Cable, Crimp/Solder

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

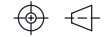
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DFRISIELLO	TC-240-NF-BH-X	B

T-Rev.D

Times Microwave LMR-LW240 Low Loss Flexible Coax Cable Black PE Jacket Light Weight

Times Microwave Systems Coax Cable Specification

LMR-LW240 Light weight version of the 240 series Low Loss Coax from Times Microwave is part of the large product offering by Fairview Microwave of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Fairview Microwave LMR-LW240 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss and light weight flexible 50 Ohm coax cable LMR-LW240 is constructed with a 0.240 inch diameter and Black PE jacket.

LMR-LW240 flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.240 inch diameter and low loss flexible coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-LW240 PE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Fairview Microwave's offering of LMR-LW240 coax cable provides specs for this wire on its RF coax cable LMR-LW240 datasheet.

LMR-LW240 cable is part of more than one million RF, microwave parts in stock at Fairview Microwave. This Times Microwave low loss and light weight LMR-LW240 coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave components.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resist.			3.2	Ohms/1000ft
Outer Conductor DC Resist.			14.4	Ohms/1000ft
Nominal Capacitance		24.2		pF/ft
		[79.4]		[pF/m]
Nominal Inductance		0.06		uH/ft
		[0.2]		[uH/m]
Input Power (Peak)			5.6	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.15	0.45	0.9	1.5	GHz
Attenuation, Typ	1.7	3	5.3	7.6	9.9	dB/100ft
	5.58	9.84	17.39	24.93	32.48	dB/100m



Configuration:

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

Features:

- Max Operating Frequency of 8 GHz
- Phase Velocity 83% VoP
- Aluminum Shielding Resulting in a Light Weight Coax
- Max Operating Temperature +85°C
- PE Jacket
- Min Install Bend Radius of 0.75 inches

Applications:

- General Purpose RF Interconnect
- Laboratory Applications
- Antenna Installs
- RF Test Systems
- Wireless Communications

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sales@fairviewmicrowave.com

Power In (CW), Max	1,150	660	380	260	200	Watts
Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	8	GHz
Attenuation, Typ	10.9 35.76	11.5 37.73	12.9 42.32	20.4 66.93	24.3 79.72	dB/100ft dB/100m
Power In (CW), Max	180	170	150	100	80	Watts

Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.026 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	Foam PE	0.15 in [3.81 mm]
First Shield	Aluminum Tape	[]
Second Shield	Aluminium	[]
Jacket	PE, Black	0.24 in [6.1 mm]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

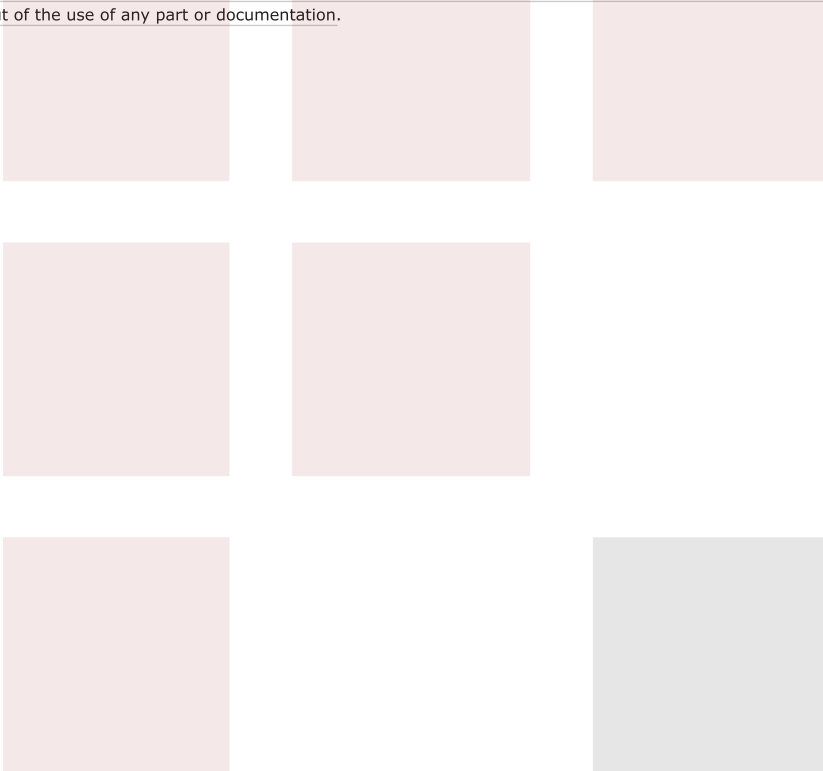
Notes:

Times Microwave LMR-LW240 Low Loss Flexible Coax Cable Black PE Jacket Light Weight from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

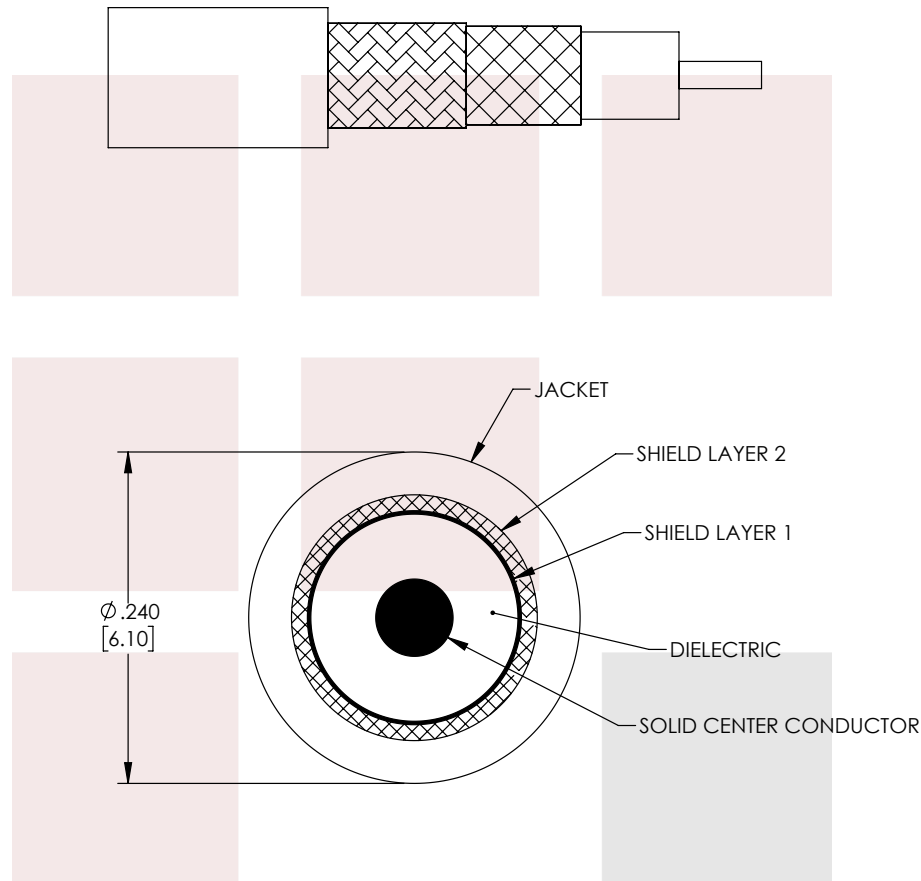
Click the following link to obtain additional part information: [Times Microwave LMR-LW240 Low Loss Flexible Coax Cable Black PE Jacket Light Weight LMR-LW240](#)

URL: <https://www.fairviewmicrowave.com/lmr-lw240-low-loss-flexible-coax-cable-pe-jacket-lmr-lw240-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06-04-2021	SELLIS



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TITLE

Times Microwave LMR-LW240 Low Loss Flexible Coax Cable Black PE Jacket Light Weight

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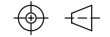
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THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	MVEERAPPAN	LMR-LW240	A

T-Rev.D