PASTERNACK®
THE ENGINEER'S RF SOURCE

N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

RF Connectors Technical Data Sheet PE44525

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44525 type N male right angle connector with crimp/solder attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF and B7808A is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44525 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz

Mechanical Specifications

Size

Length	1.21 in [30.73 mm]
Width/Dia.	0.83 in [21.08 mm]
Height	1.117 in [28.37 mm]
Weight	0.097 lbs [44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44525

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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RF Connectors Technical Data Sheet PE44525

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44525

URL: https://www.pasternack.com/n-male-standard-pe-c240-0.240-connector-pe44525-p.aspx

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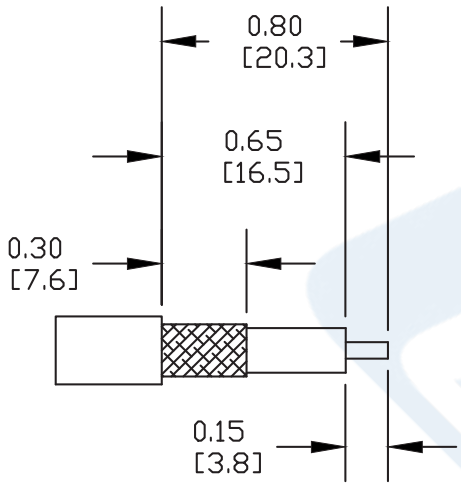
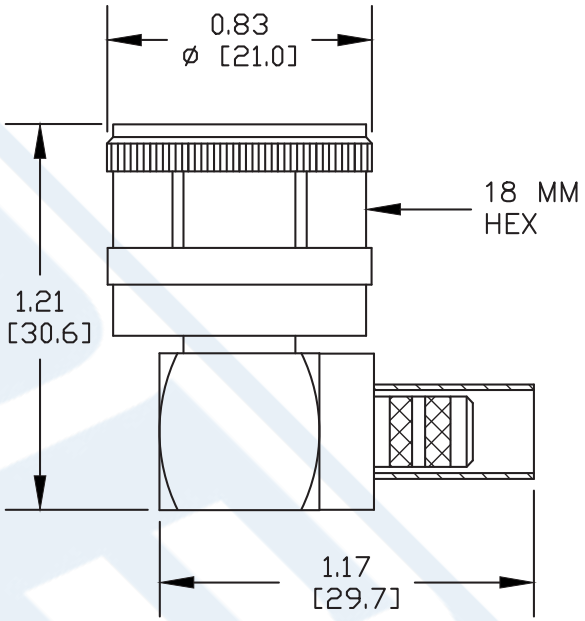
PE44525 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



STRIPPING DIMENSIONS



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & SCREW

CRIMP SIZE REQUIRED

FERRULE: .255" HEX CRIMP TOOL

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DWG TITLE

PE44525

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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. B	FSCM NO. 53919	CAD FILE 081711	SCALE N/A	SIZE A	2231

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TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X

RF Connectors
Technical Data Sheet

TIMES MICROWAVE SYSTEMS An Amphenol Company

SZ-240-TF

Times Microwave Systems Connector Specification

Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, PE-C240, RG8X

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Phosphor Bronze Contact
- 30µ Minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's SZ-240-TF , TNC, Standard, Connector is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Our TNC female connector SZ-240-TF datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.06 in [26.92 mm]
Width	0.44 in [11.10 mm]
Height	0.00 in [0.00 mm]
Weight	0.03 lbs [11.34 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X SZ-240-TF

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TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X

Mating Torque	20 in-lbs [2.26 Nm]
Cable Retention Force	60 lbs 27.22 kg

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold 30µ Minimum
Insulation	Teflon	
Body	Brass	Nickel 200µ In.
Crimp Sleeve	Copper	Nickel 200µ In.

Environmental Specifications

Temperature

Operating Range	-55 to +155 deg C
Shock	US MIL-STD 202, Meth 213, Cond. I
Vibration	US MIL-STD 202, Meth. 204, Cond. B
Thermal Shock	US MIL-STD 202, Meth. 107, Cond. B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X SZ-240-TF

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TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X

RF Connectors
Technical Data Sheet

TIMES MICROWAVE SYSTEMS
An Amphenol Company

SZ-240-TF

TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-240, PE-C240, RG8X SZ-240-TF

URL: https://www.pasternack.com/tnc-female-lmr-240-pe-c240-rg8x-connector-sz-240-tf-p.aspx

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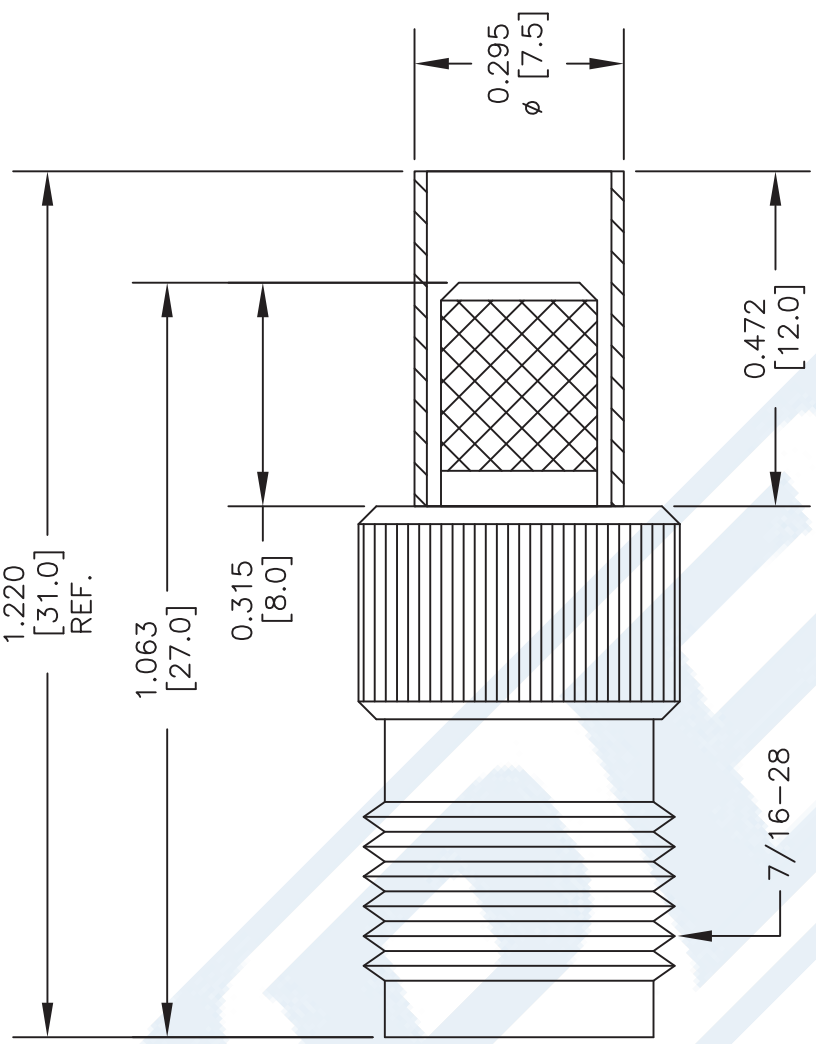
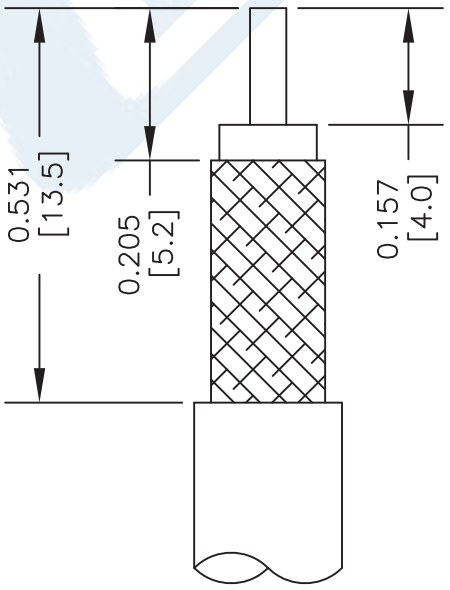
TNC Female Connector Crimp/Non-Solder Contact
Attachment for LMR-240, PE-C240, RG8X





STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

FERRULE: .256" 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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
SZ-240-TF

CAD FILE 092118 | SCALE N/A | SIZE A | 2233

FSCM NO. 53919

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LMR-LW240 Light weight version of the 240 series Low Loss Coax

RF Cables
Technical Data Sheet

TIMES MICROWAVE SYSTEMS

LMR-LW240

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

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

Applications

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

Description

LMR-LW240 Light weight version of the 240 series Low Loss Coax from Times Microwave is part of the large product offering by Pasternack of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Pasternack 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. Pasternack'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 Pasternack. This Times Microwave low loss and light weight LMR-LW240 coax cable is ready to buy and can be shipped worldwide. Pasternack 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	Minimum	Typical	Maximum	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
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: LMR-LW240 Light weight version of the 240 series Low Loss Coax LMR-LW240

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LMR-LW240 Light weight version of the 240 series Low Loss Coax

Inner Conductor DC Resistance		3.2	Ohms/1000ft
Outer Conductor DC Resistance		14.4	Ohms/1000ft
Nominal Capacitance	24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance	0.06 [0.2]		uH/ft [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
Input Power (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	11.5	12.9	20.4	24.3	dB/100ft
	35.76	37.73	42.32	66.93	79.72	dB/100m
Input Power (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 Strand	0.056 in [1.42 mm]
Conductor Type	Solid	

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: LMR-LW240 Light weight version of the 240 series Low Loss Coax LMR-LW240

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LMR-LW240 Light weight version of the 240 series Low Loss Coax

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:

LMR-LW240 Light weight version of the 240 series Low Loss Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: LMR-LW240 Light weight version of the 240 series Low Loss Coax LMR-LW240

URL: https://www.pasternack.com/low-loss-flexible-lmr-lw240-pe-jacket-aluminum-tape-over-aluminium-outer-conductor-double-shielded-lmr-lw240-p.aspx

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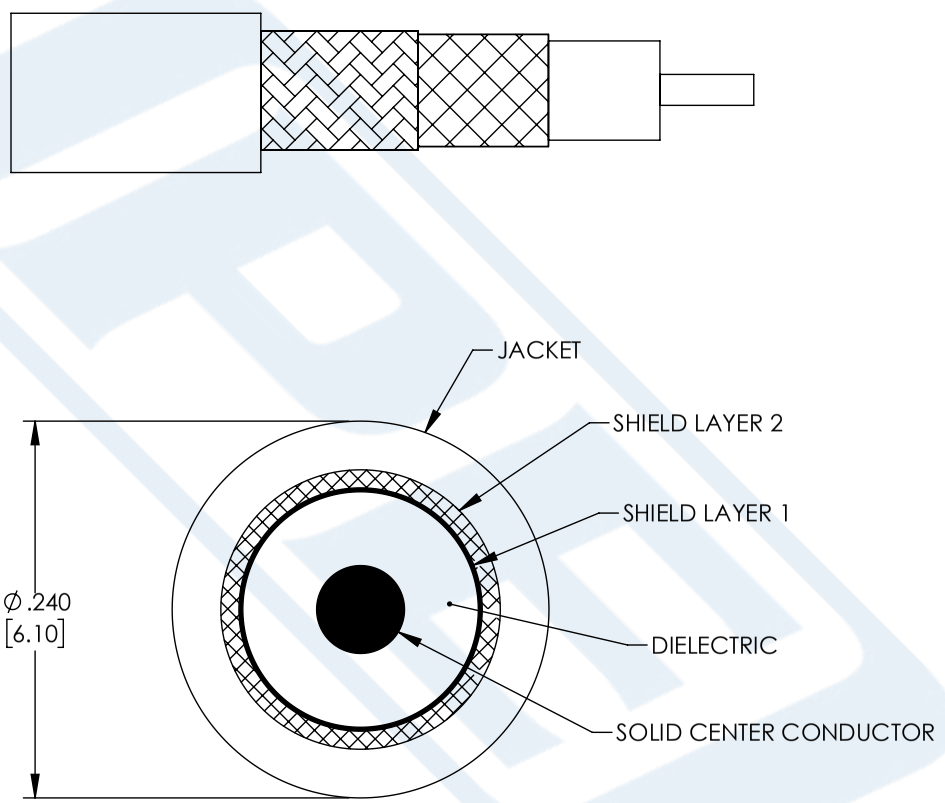
LMR-LW240 CAD Drawing

LMR-LW240 Light weight version of the 240 series Low Loss Coax

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



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

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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E-mail: sales@pasternack.com

THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	MVEERAPPAN	LMR-LW240	A