



N Female Connector Crimp/Solder Attachment for
PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors
Technical Data Sheet

PE44535

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C600, LMR-600, LMR-600-DB, .600 inch

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44535 type N female connector with crimp/solder attachment for PE-C600, LMR-600, LMR-600-DB and .600 inch is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 11 GHz.

Our type N female connector PE44535 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	1.95 in [49.53 mm]
Width/Dia.	0.86 in [21.84 mm]
Weight	0.127 lbs [57.61 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44535](#)



N Female Connector Crimp/Solder Attachment for
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PE44535

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	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 Female Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch 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: [N Female Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44535](#)

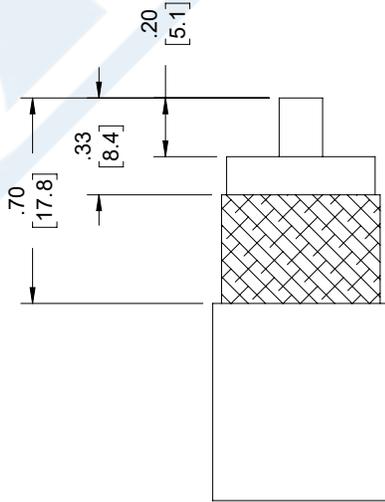
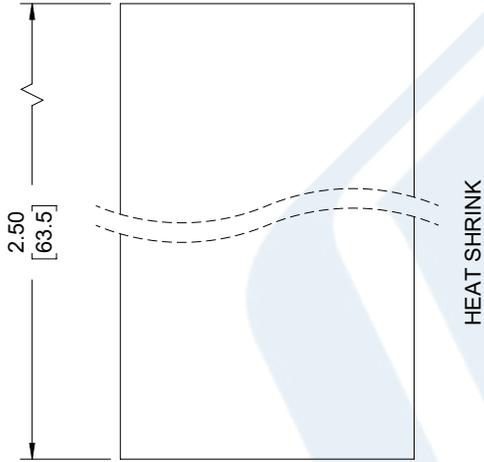
URL: <https://www.pasternack.com/n-female-standard-pe-c600-0.600-connector-pe44535-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

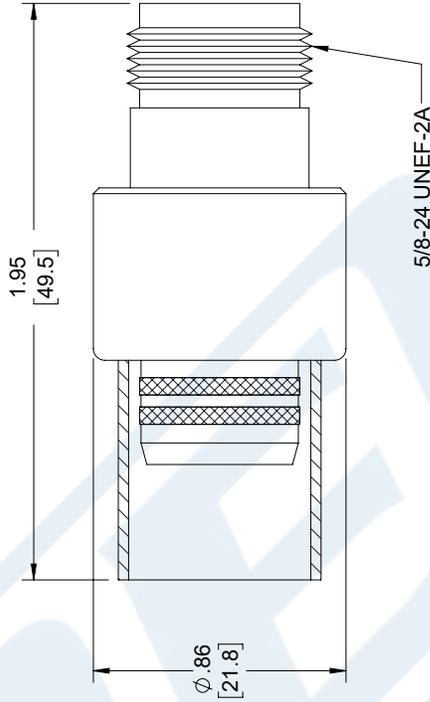
PE44535 CAD Drawing

N Female Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	ADDED HEAT SHRINK	03/30/2020	SELLIS



STRIPPING DIMENSIONS



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .610" HEX CRIMP TOOL

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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SHEET 1 OF 1

SCALE N/A

REV B



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ITEM NO. PE44535
DRAWN BY DZINN
CAGE CODE 53919

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N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors Technical Data Sheet

PE44454

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C600, LMR-600, LMR-600-DB, 0.600 inch 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 PE44454 type N male connector with crimp/solder attachment for PE-C600, LMR-600, LMR-600-DB and 0.600 inch 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.

Our type N male connector PE44454 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	2.04 in [51.82 mm]
Width/Dia.	0.86 in [21.84 mm]
Weight	0.165 lbs [74.84 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 Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44454](#)



N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch

RF Connectors Technical Data Sheet

PE44454

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	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 Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch 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.

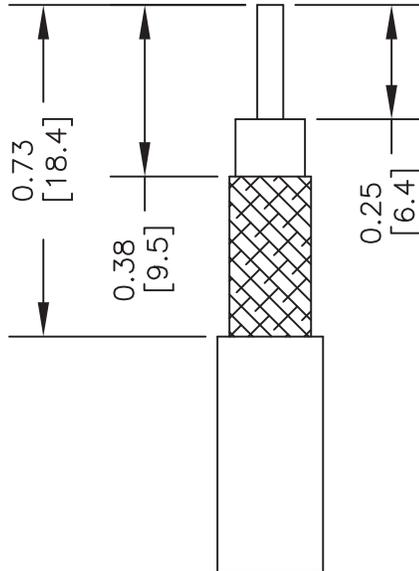
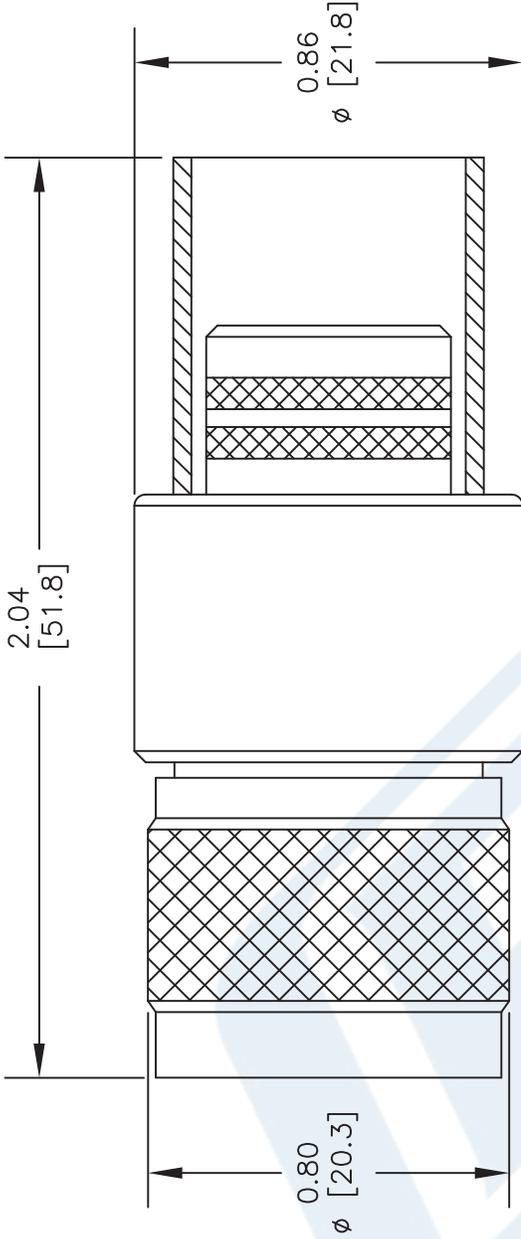
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch PE44454](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c600-connector-pe44454-p.aspx>

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PE44454 CAD Drawing

N Male Connector Crimp/Solder Attachment for PE-C600, LMR-600, LMR-600-DB, 0.600 inch



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .610 HEX CRIMP TOOL



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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE44454

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.

FSCM NO. 53919

CAD FILE 061810

SCALE N/A

SIZE A

2233



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

- CMR Riser Rated Coax
- Non-Halogen, Low Smoke PE Jacket
- Max Operating Frequency of 5.8 GHz
- Phase Velocity 85% VoP
- Max Operating Temperature +85°C
- Min Install Bend Radius of 1.5 inches

Applications

- In-Building Riser Runs
- Short Antenna Installs
- RF Test Systems
- General Purpose RF Interconnect
- Laboratory Applications

Description

LMR-600-FR Fire Rated version of the 600 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-600-FR coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss and CMR riser rated 50 Ohm coax cable LMR-600-FR is constructed with a 0.590 inch diameter and Black PE jacket.

LMR-600-FR flexible 50 Ohm coax cable with PE jacket is rated for a 5.8 GHz maximum operating frequency. This 50 Ohm 0.590 inch diameter and low loss fire rated coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-600-FR PE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Pasternack's offering of LMR-600-FR coax cable provides specs for this wire on its RF coax cable LMR-600-FR datasheet.

LMR-600-FR cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss flexible LMR-600-FR 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		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.17 3.84		ns/ft ns/m
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			4,000	Vdc

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated LMR-600-FR](#)



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Jacket Spark	8,000	Vrms
Inner Conductor DC Resistance	0.53	Ohms/1000ft
Outer Conductor DC Resistance	1.2	Ohms/1000ft
Nominal Capacitance	23.4 [76.77]	pF/ft [pF/m]
Nominal Inductance	0.058 [0.19]	uH/ft [uH/m]
Input Power (Peak)	40	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.5	1	1.2	1.7	2.5	dB/100ft
	1.64	3.28	3.94	5.58	8.2	dB/100m
Input Power (CW), Max	4,240	2,410	1,970	1,350	930	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	3.3	3.7	3.9	4.4	7.3	dB/100ft
	10.83	12.14	12.8	14.44	23.95	dB/100m
Input Power (CW), Max	700	630	590	520	320	Watts

Mechanical Specifications

Diameter	0.59 in [14.99 mm]
Weight	0.131 lbs/ft [0.19 Kg/m]
Min. Bend Radius (Installation)	1.5 in [38.1 mm]
Min. Bend Radius (Repeated)	6 in [152.4 mm]
Bending Moment	2.75 lbs-ft [3.73 N-m]
Tensile Strength	350 lbs [158.76 kg]
Flat Plate Crush	60 lbs/in [1.07 Kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.176 in [4.47 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated LMR-600-FR](#)



Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated

RF Cables Technical Data Sheet



LMR-600-FR

Conductor Type	Solid	
Dielectric	Foam PE	0.455 in [11.56 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper	[]
Jacket	PE, Black	0.59 in [14.99 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:

Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated 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.

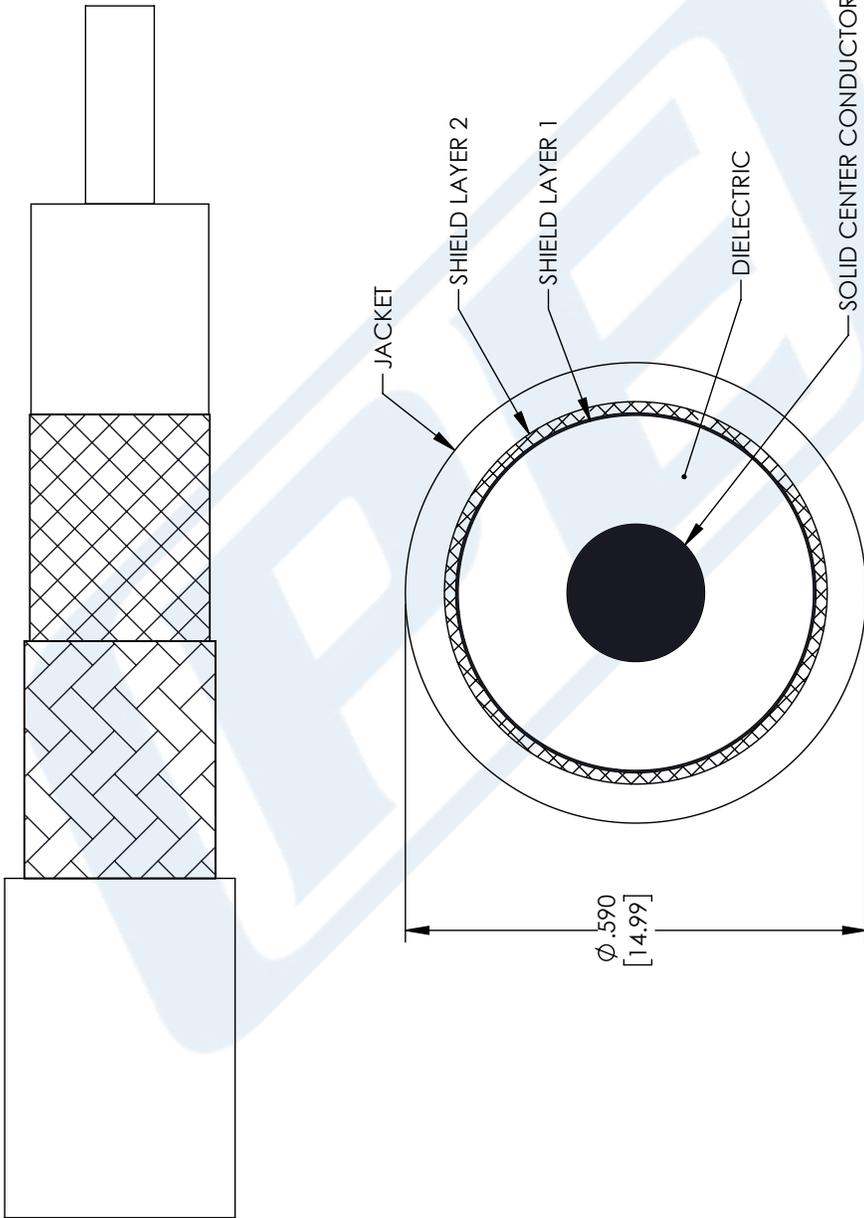
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable Double Shielded with Black PE Jacket Fire Rated LMR-600-FR](#)

URL: <https://www.pasternack.com/low-loss-flexible-lmr-600-fr-pe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-lmr-600-fr-p.aspx>

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TIMES MICROWAVE SYSTEMS **LMR-600-FR CAD Drawing**
 Low Loss Flexible LMR-600-FR Outdoor Rated Coax Cable
 Double Shielded with Black PE Jacket Fire Rated

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

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% / -0

ALL DIMENSIONS SHOWN
 ARE FOR REFERENCE ONLY.

PE PASTERNAK
 an INFINITI brand

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 Fax: 1.949.261.7451
 Website: www.pasternack.com
 E-mail: sales@pasternack.com

SIZE [CAGE CODE] DRAWN BY ITEM NO.
 A 53919 MVEERAPPAN LMR-600-FR

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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