



7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB

RF Connectors Technical Data Sheet

PE45640

Configuration

- 7/16 DIN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-C600, .600 inch, LMR-600, LMR-600-DB
- 1 1/4 in. Hex

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.15:1
- Silver Plated Brass Contact
- 3μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45640 7/16 DIN male right angle connector with crimp/solder attachment for PE-C600, .600 inch, LMR-600 and LMR-600-DB is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.15:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 7/16 DIN male right angle connector PE45640 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		3	GHz
VSWR			1.15:1	
Insertion Loss			0.05	dB
Dielectric Withstanding Voltage (AC)			4,000	Vrms

Mechanical Specifications

Weight	0.282 lbs [127.91 g]
Mating Torque	221 in-lbs [24.97 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB PE45640](#)



7/16 DIN Male Right Angle Connector Crimp/Solder
Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB

RF Connectors
Technical Data Sheet

PE45640

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 3μ m minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 3μ m minimum
Body	Brass	Tri-Metal 3μ m minimum
Coupling Nut	Brass	Tri-Metal 3μ m minimum

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Shock

MIL-STD 202,Meth.213, Cond. I

Vibration

MIL-STD 202,Meth.204, Cond. B

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

Plotted and Other Data

Notes:

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB 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.

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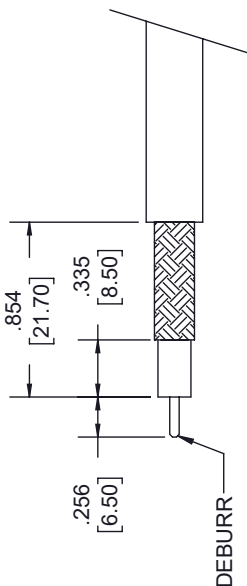
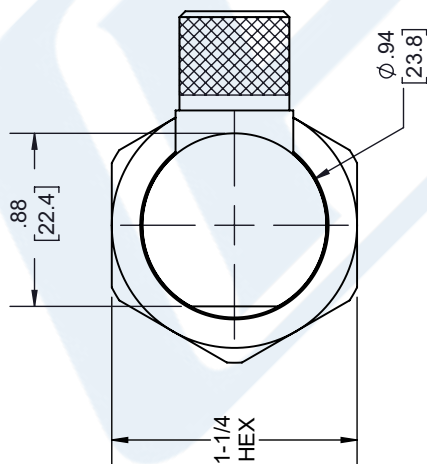
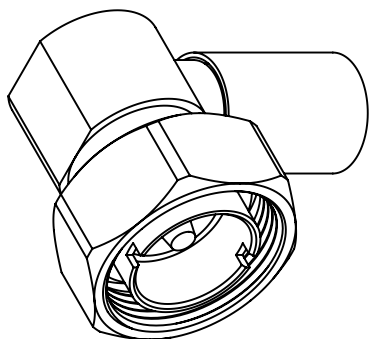
URL: <https://www.pasternack.com/7-16-din-male-pe-c600-.600-connector-pe45640-p.aspx>

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PE45640 CAD Drawing

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment
for PE-C600, .600 inch, LMR-600, LMR-600-DB

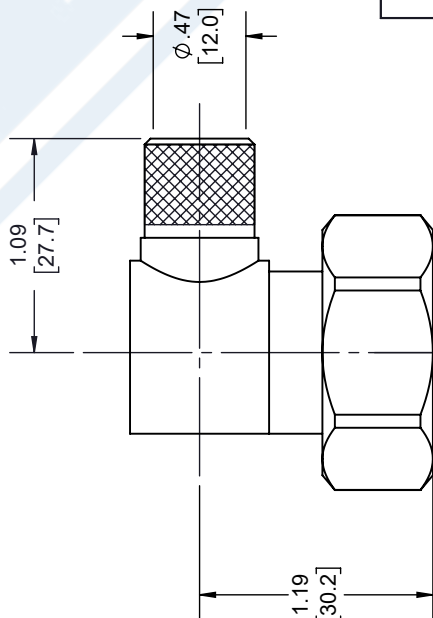
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE45640	2/3/2021	S. ELLIS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .610 [15.49] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.



FERRULE

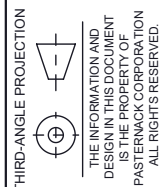
UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:	
X = ± 2	[5.08]
.XX = ± 0.02	[.51]
.XXX = ± 0.005	[.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.



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SHEET	1	OF	1
SCALE	N/A		
ITEM NO.	PE45640		
DRAWN BY	K.DANG		
SIZE	A		
CAGE CODE	53919		



7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB

RF Connectors Technical Data Sheet

PE45640

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- 50 Ohms
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Frequency Range	DC		3	GHz
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Dielectric Withstanding Voltage (AC)			4,000	Vrms

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Weight	0.282 lbs [127.91 g]
Mating Torque	221 in-lbs [24.97 Nm]

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7/16 DIN Male Right Angle Connector Crimp/Solder
Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB

RF Connectors
Technical Data Sheet

PE45640

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 3μ m minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 3μ m minimum
Body	Brass	Tri-Metal 3μ m minimum
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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Shock

MIL-STD 202,Meth.213, Cond. I

Vibration

MIL-STD 202,Meth.204, Cond. B

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

Plotted and Other Data

Notes:

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment for PE-C600, .600 inch, LMR-600, LMR-600-DB 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.

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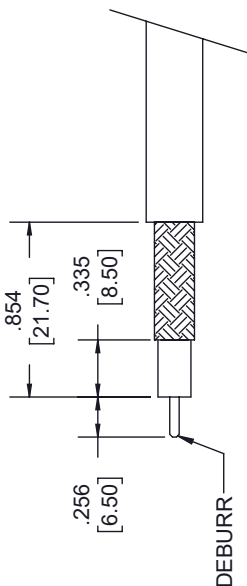
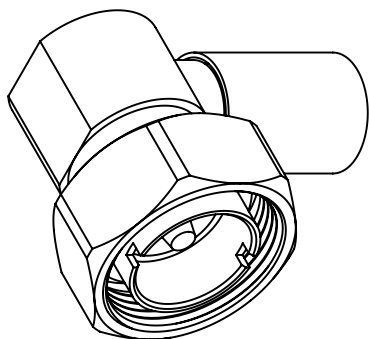
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for PE-C600, .600 inch, LMR-600, LMR-600-DB

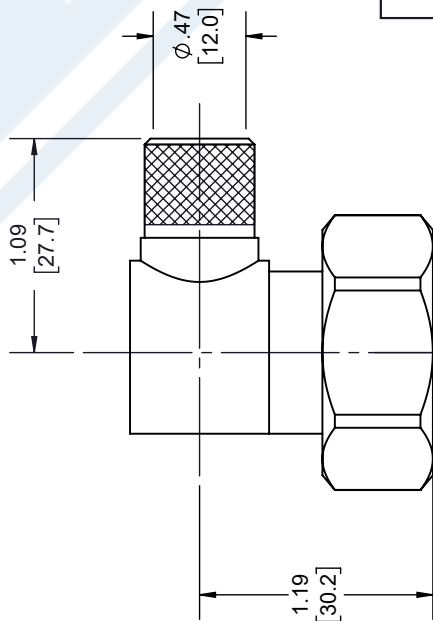
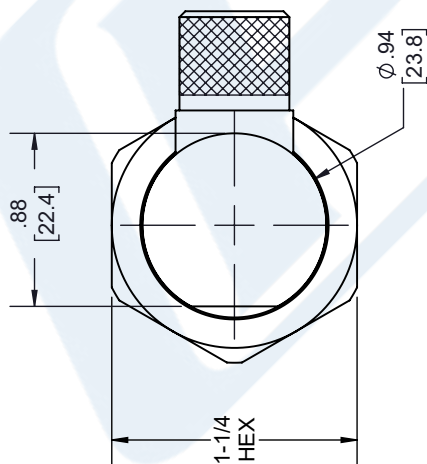
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE45640	2/3/2021	S. ELLIS



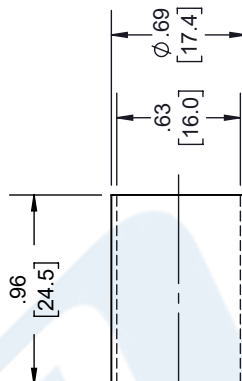
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NOTES:

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 - CONTACT: SOLDER.



7/16 DIN MALE



FERRULE

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DIMENSIONS IN [] ARE MILLIMETERS

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300 [7620] < L	= +5% / -0

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SHEET	1	OF	1
SCALE	N/A		
REV	A		

ITEM NO.	PE45640
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Low Loss Flexible LMR-600-UF Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket Ultra Flex

RF Cables Technical Data Sheet



LMR-600-UF

Times Microwave Systems Coax Cable Specification Configuration

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

Features

- Ultra Flexible Coax with Stranded Center Conductor
- Max Operating Frequency of 5.8 GHz
- Phase Velocity 87% VoP
- Max Operating Temperature +85°C
- TPE Jacket
- Min Install Bend Radius of 1.5 inches

Applications

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

Description

LMR-600-UF Ultra Flex 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-UF coax cable is manufactured in an ultra flexible design and has a 50 Ohm impedance. This low loss and ultra flexible 50 Ohm coax cable LMR-600-UF is constructed with a 0.590 inch diameter and Black TPE jacket.

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

LMR-600-UF cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss ultra flexible LMR-600-UF 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		87		%
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-UF Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket Ultra Flex LMR-600-UF](#)



Low Loss Flexible LMR-600-UF Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket Ultra Flex

RF Cables Technical Data Sheet



LMR-600-UF

Jacket Spark	8,000	Vrms
Inner Conductor DC Resistance	0.43	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	0.7	1.2	1.4	2.1	3	dB/100ft
	2.3	3.94	4.59	6.89	9.84	dB/100m
Input Power (CW), Max	3,530	2,000	1,640	1,120	770	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	4	4.4	4.7	5.3	8.7	dB/100ft
	13.12	14.44	15.42	17.39	28.54	dB/100m
Input Power (CW), Max	580	520	490	430	260	Watts

Mechanical Specifications

Diameter	0.59 in 14.99 mm
Weight	0.165 lbs/ft [0.25 Kg/m]
Min. Bend Radius (Installation)	1.5 in [38.1 mm]
Min. Bend Radius (Repeated)	6 in [152.4 mm]
Bending Moment	1.75 lbs-ft [2.37 N-m]
Tensile Strength	350 lbs [158.76 kg]
Flat Plate Crush	40 lbs/in [0.71 Kg/mm]

Construction Specifications

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

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Low Loss Flexible LMR-600-UF Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket Ultra Flex

RF Cables Technical Data Sheet



LMR-600-UF

Conductor Type	Stranded	
Dielectric	Foam PE	0.455 in [11.56 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper	[]
Jacket	TPE, 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

Environmental Specification Notes:
Indoor/Outdoor

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-600-UF Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket Ultra Flex 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.

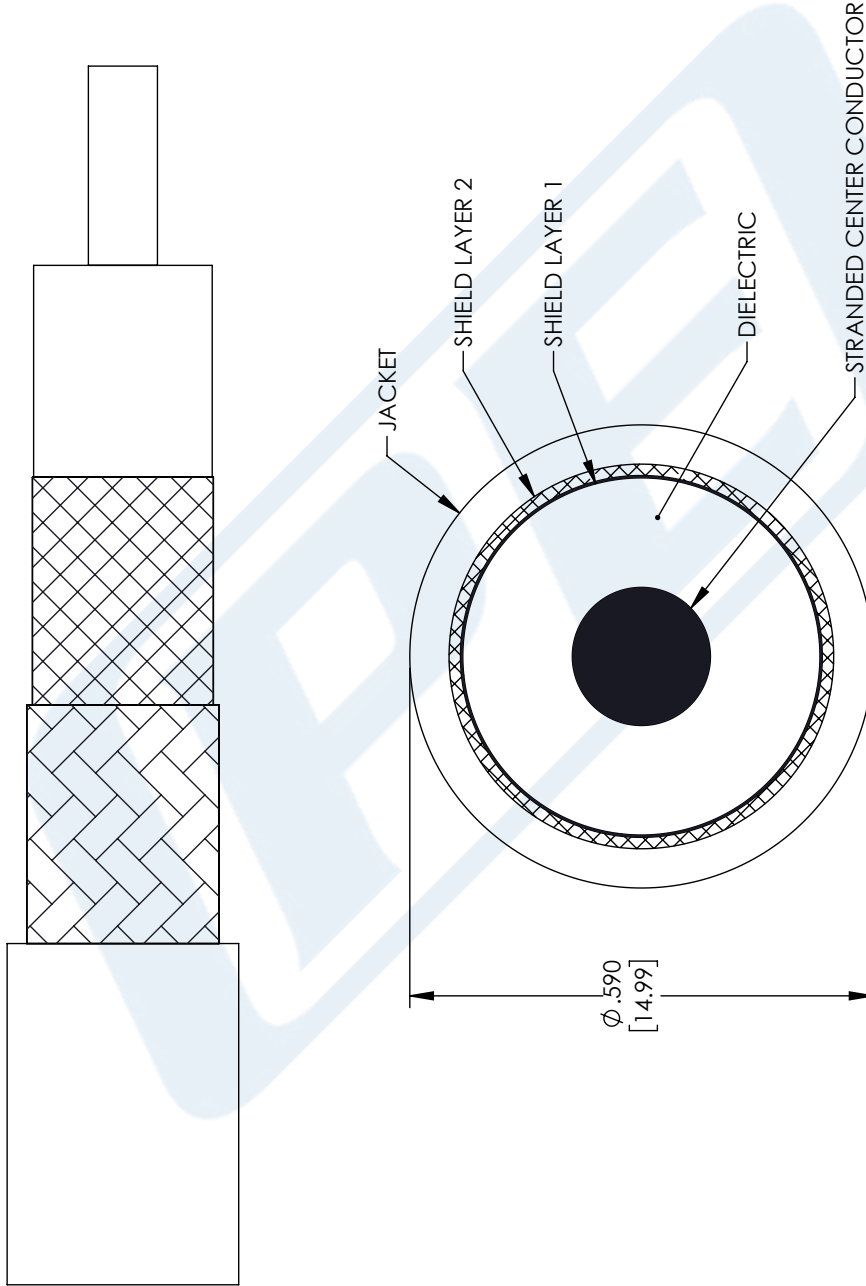
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URL: <https://www.pasternack.com/low-loss-flexible-lmr-600-uf-tpe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-lmr-600-uf-p.aspx>

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TIMES MICROWAVE SYSTEMS **LMR-600-UF CAD Drawing**
 Low Loss Flexible LMR-600-UF Outdoor Rated Coax Cable
 Double Shielded with Black TPE Jacket Ultra Flex

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



PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ±.2 [.508] .XX = ±.02 [.51] .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% / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	SIZE A CAGE CODE 53919 DRAWN BY MVEERAPPAN	ITEM NO. LMR-600-UF REV A	

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