

# Product Compliance Declaration

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## Contact Information

**Name** Molex Product Compliance **E-Mail** Product.Compliance@molex.com

## Part Information

**Part Number** 0190730011 **Part Weight** 0.760904G

**Part Name** RING AVIKRIMP (AA-821-06)

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
RING AVIKRIMP (AA-821-06)	Assembly		100	0.760904
RING KRIMPTITE (AA-121-06) BIN	Component		68.866	0.524004
ETP Copper Unplated	Material		68.8654	0.524
Copper	Substance	7440-50-8	68.8425	0.523826
Misc.	Substance	system	0.0229	0.000174
Tin Plating	Material		0.0005	0.000004
Tin	Substance	7440-31-5	0.0005	0.000004
EXTD NYLON (.) LIGHT RED	Component		11.6835	0.0889
PA66	Material		11.6835	0.0889
Polyamid 6.6	Substance	32131-17-2	11.4498	0.087122
Misc.	Substance	system	0.2337	0.001778
TFAA-55R-VN FERRULE HEATTREATED & PLATED	Assembly		19.4505	0.148
TFAA-55R-VNP FERRULE AS PURCHASED	Component		19.4505	0.148

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Cartridge Brass 70% Unplated	Material		19.256	0.14652
Copper	Substance	7440-50-8	13.4792	0.102564
Zinc (metal)	Substance	7440-66-6	5.7768	0.043956
Tin Plating	Material		0.1945	0.00148
Tin	Substance	7440-31-5	0.1945	0.00148

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## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

Not reviewed

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## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

**Regulatory Revision** D(2020)4578-DC (25 June 2020)

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
6-methoxy-m-toluidine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Dipentyl phthalate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
tricosafuorododecanoic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
heptacosafuorotetradecanoic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dodecamethylcyclohexasiloxane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
decamethylcyclopentasiloxane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,099	Impurity
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,009.9	Impurity
octamethylcyclotetrasiloxane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, bis(3-methylbutyl) ester (9CI)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
methoxyacetic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dibutyltin dichloride	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4,4'-methylenedi-o-toluidine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1-vinylimidazole	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,3-propanesultone	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
chromium trioxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
henicosafuoroundecanoic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
furan	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1-bromopropane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
nitrobenzene	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4-o-tolylazo-o-toluidine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
ethylene thiourea	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4-methyl-m-phenylenediamine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
o-toluidine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
butyl 4-hydroxybenzoate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dinoseb (ISO)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dihexyl phthalate (DnHP)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dicyclohexyl phthalate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,009.9	Impurity
N-methylacetamide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dimethyl sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
diethyl sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4-aminoazobenzene	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Fatty acids, C16-18, lead salts	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
[phthalato(2-)]dioxotrilead	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Perfluorohexane-1-sulphonic acid and its salts	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Cadmium sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Sodium perborate; perboric acid, sodium salt	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
hexahydro-2-benzofuran-1,3-dione	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol,	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Chrysene	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Cadmium nitrate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,004.95	Impurity
Pyrene	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Trixylyl phosphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Zirconia Aluminosilicate Refractory Ceramic Fibres	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Aluminosilicate Refractory Ceramic Fibres	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Boric acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Disodium tetraborate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Hydrazine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
n-pentyl-isopentylphthalate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
pentacosafuorotridecanoic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Terphenyl, hydrogenated	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,099	Impurity
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dibutylbis(pentane-2,4-dionato-O,O')tin	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Disodium-octaborate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,099	Impurity
sodium peroxometaborate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Ammonium-pentadecafluorooctanoate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
pentazinc chromate octahydroxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-dichloroethane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
trilead diarsenate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
2-methoxyaniline	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
arsenic acid	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
N,N-dimethylacetamide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead dipicrate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
potassium hydroxyoctaoxodizincatedichromate(1-)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
bis(2-methoxyethyl) ether	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Calcium-arsenate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
N-methyl-2-pyrrolidone	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
2-ethoxyethyl acetate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Cobalt sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Acetic acid, cobalt(2+) salt	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Carbonic acid, cobalt(2+) salt (1:1)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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Boric acid, disodium salt, hydrate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
sodium chromate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
potassium dichromate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
potassium chromate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
ammonium dichromate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Tris(2-chloroethyl) phosphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Lead sulfochromate yellow	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Lead chromate molybdate sulfate red	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead chromate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Anthracene oil, anthracene-low; Anthracene Oil Fraction	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Anthracene oil, anthracene paste; Anthracene Oil Fraction	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Butylbenzylphthalate (BBP)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead hydrogen arsenate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
bis(2-ethylhexyl) phthalate (DEHP)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dibutyl phthalate (DBP)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4,4'-diaminodiphenylmethane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
triethyl arsenate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Sulfurous acid, lead salt, dibasic	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Acetic acid, lead salt, basic	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
cadmium hydroxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,004.95	Impurity
Lead titanium zirconium oxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dioxobis(stearato)trilead	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
tetralead trioxide sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Trilead-dioxide-phosphonate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
pentalead tetraoxide sulphate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead oxide sulfate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Silicic acid, lead salt	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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cadmium chloride	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead dinitrate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
pyrochlore, antimony lead yellow	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Cadmium-fluoride	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
cadmium	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,099	Impurity
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol [with $\geq$	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
[4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Lead oxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
trilead bis(carbonate) dihydroxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
orange lead	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
cadmium sulphide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
cadmium oxide (non-pyrophoric)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Diboron-trioxide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
bis(pentabromophenyl) ether	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq$ 0.1% of Michler's ketone (EC No.	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
cadmium carbonate	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,004.95	Impurity
1,2-dimethoxyethane	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
4,4'-bis(dimethylamino)benzophenone	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
dichromium tris(chromate)	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
phenolphthalein	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
lead diazide	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity
Formaldehyde, polymer with benzenamine	TFAA-55R-VNP FERRULE AS PURCHASED	1,000	1,990	Impurity

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## HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

### Contained Substances Exceeding Threshold

None

## China ROHS Declaration Information

Part Number 0190730011		<b>Hazardous Substances</b>				
Part Name RING AVIKRIMP (AA-821-06)						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
RING AVIKRIMP (AA-821-06)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RING KRIMPTITE (AA-121-06) BIN	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
EXTD NYLON (.) LIGHT RED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TFAA-55R-VN FERRULE HEATTREATED & PLATED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TFAA-55R-VNP FERRULE AS PURCHASED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Process Information

Component Plating / Surface Finish	N/A
Termination Base Alloy	Cu
Solder Alloy	N/A
Process Capability	N/A
Maximum Exposure Time (seconds)	N/A
Maximum Process Temperature (C)	N/A
Maximum Cycles at Reflow Temperature	N/A
J-STD-020 Moisture Sensitivity Level	N/A

Jan 14, 2021

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