

SSMA Female Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405

SSMA female connector with solder/solder attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ and RG405, part number FMCN1857, from Fairview Microwave is in-stock and ships same day. This SSMA female connector operates up to a maximum frequency of 26 GHz.

Fairview's SSMA female connector FMCN1857 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		26	GHz
DWV (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.5 in [12.7 mm]
Width/Dia.	0.188 in [4.78 mm]
Height	0.5 in [12.7 mm]
Weight	0.004 lbs [1.81 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- SSMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 Interface Type
- Solder/Solder Attachment

Features:

- Operating Frequency of 26 GHz Max.
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Custom Cable Assemblies

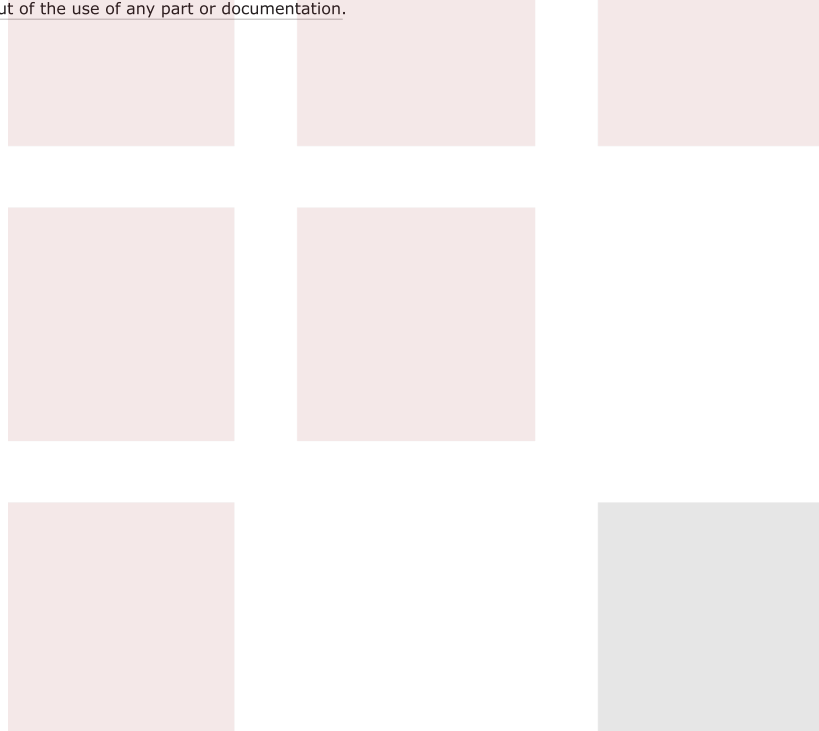
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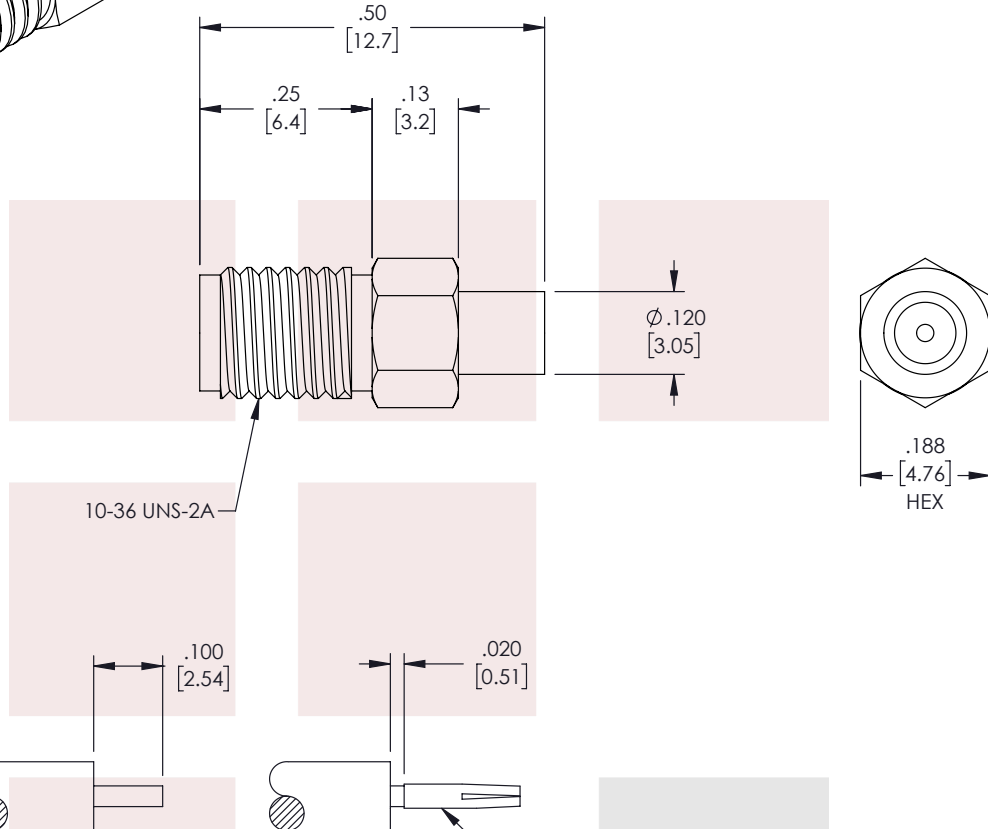
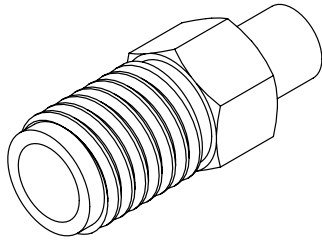
SSMA Female Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SSMA Female Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 FMCN1857](#)

URL: <https://www.fairviewmicrowave.com/ssma-female-fm-sr086altn-fm-sr086tb-fm-sr086tbj-rg405-connector-fmcn1857-p.aspx>

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURE

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. PLACE CONTACT OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO CONNECTOR BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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TITLE

SSMA Female Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405

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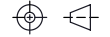
TOLERANCES:

.X = $\pm .2$ [5.08] FRACTIONS
.XX = $\pm .02$ [.51] $\pm 1/32$
XXX = $\pm .005$ [.13] ANGLES $\pm 1^\circ$

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 = $\pm 5\%$ L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

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SIZE A

CAGE CODE 3FKR5

DRAWN BY A.KRESOWSKI

ITEM NO. FMCN1857

REV A

T-Rev D

SSMA Male Right Angle Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405

RA SSMA male connector with solder/solder attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ and RG405, part number FMCN1855, from Fairview Microwave is in-stock and ships same day. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA SSMA male connector FMCN1855 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.

Mechanical Specifications

Size	
Length	0.57 in [14.48 mm]
Width/Dia.	0.21 in [5.33 mm]
Height	0.3 in [7.62 mm]
Weight	0.007 lbs [3.18 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204
Coupling Nut	Brass	Nickel QQ-N-290

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

Plotted and Other Data

Notes:



Configuration:

- SSMA Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 Interface Type
- Solder/Solder Attachment
- 1/4 inch Hex

Features:

- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Custom Cable Assemblies

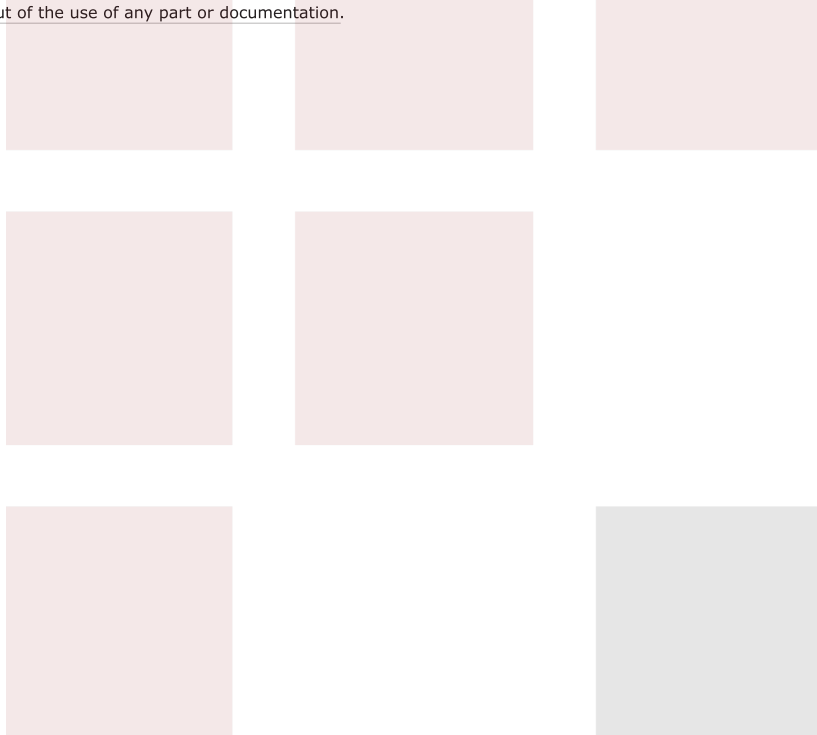
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SSMA Male Right Angle Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

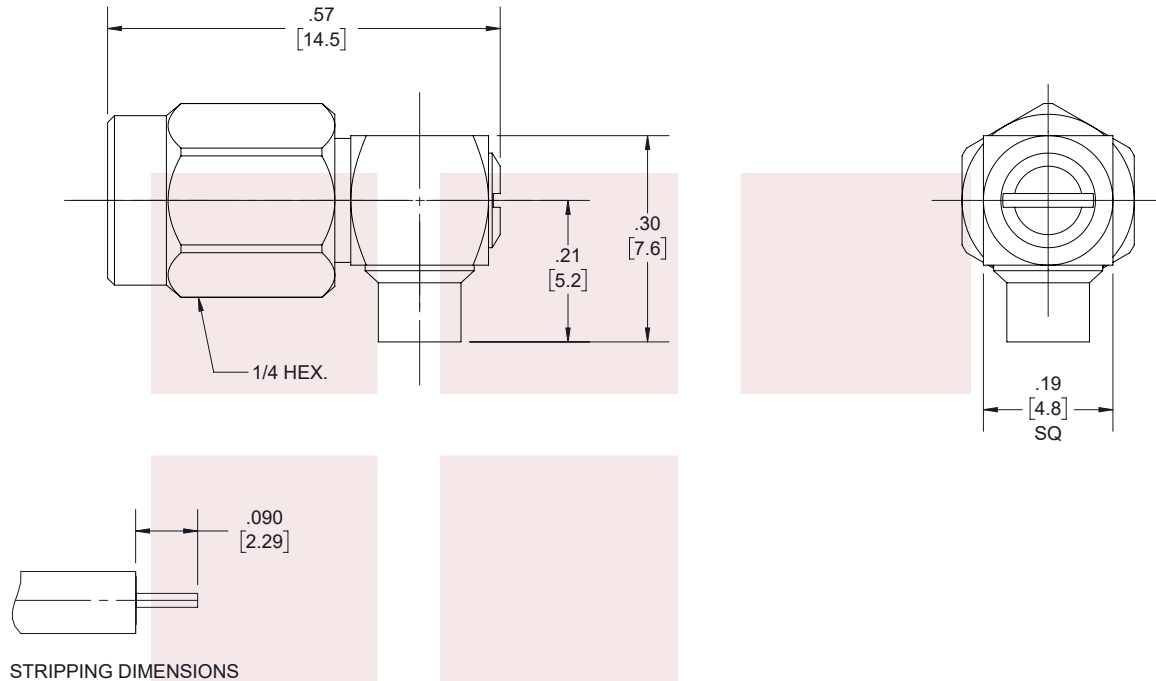
For additional information on this product, please click the following link: [SSMA Male Right Angle Connector Solder Attachment for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, RG405 FMCN1855](#)

URL: <https://www.fairviewmicrowave.com/ssma-male-fm-sr086altn-fm-sr086tb-fm-sr086tbj-rg405-connector-fmcn1855-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/11/2022	A.GANWANI



ASSEMBLY PROCEDURES:

1. STRIP CABLE AS SHOWN AND TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH INSIDE OF BODY. SOLDER CENTER CONDUCTOR IN PLACE.
3. SOLDER OUTER CONDUCTOR TO BODY. PRESS DOWN CAP.

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TITLE

SSMA Male Right Angle Connector Solder Attachment
for FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ,
RG405

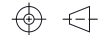
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TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.02 [.51]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

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THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1855	REV A
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T-Rev.D

Formable .086 Formable Coax Cable Black FEP Jacket

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		61	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Time Delay		1.43 [4.69]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Operating Voltage (AC)			1,500	Vrms
Inner Conductor DC Resist.			65.7	Ohms/1000ft
Outer Conductor DC Resist.			10.2	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	15 49.21	22.5 73.82	54.9 180.12	81.2 266.4	120 393.7	dB/100ft dB/100m
Power In (CW), Max	173.5	121.5	52.2	35.8	24.3	Watts

Mechanical Specifications

Diameter	0.105 in [2.67 mm]
Weight	0.026 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	0.787 in [19.99 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.062 in [1.57 mm]
Outer Conductor	Tinned Copper Composite Braid	0.085 in [2.16 mm]
Jacket	FEP, Black	0.105 in [2.67 mm]



Configuration:

- Formable Cable
- 1 Shield(s)

Features:

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

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Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

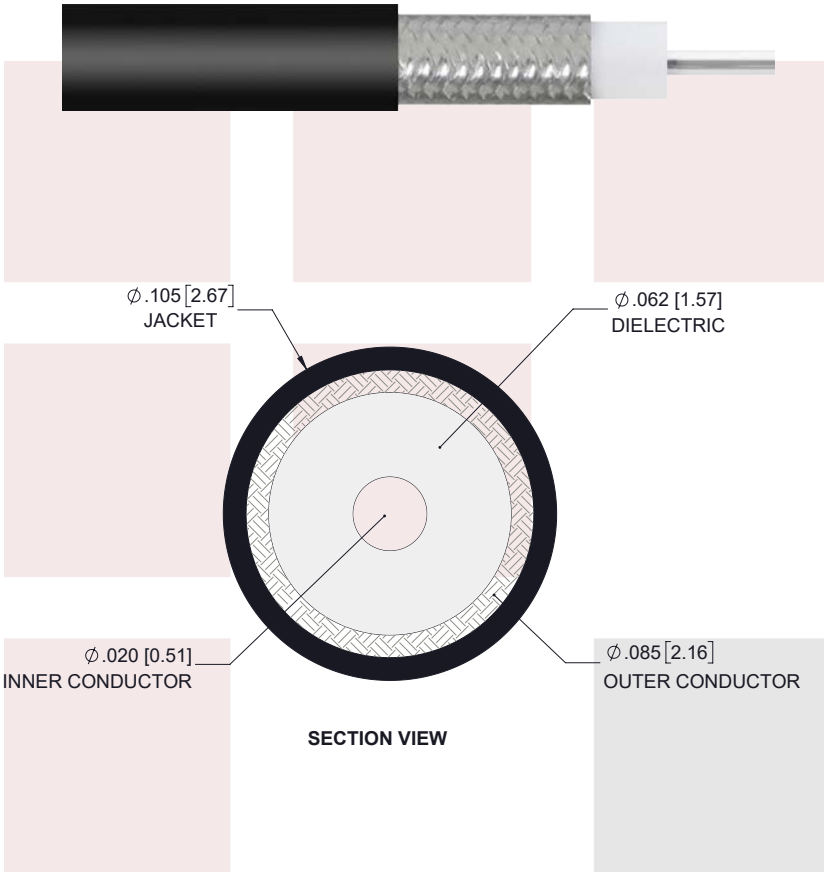
Formable .086 Formable Coax Cable Black FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Formable .086 Formable Coax Cable Black FEP Jacket FM-SR086TBJ](#)


URL: <https://www.fairviewmicrowave.com/invalid-alias-formable-coax-cable-fep-jacket-fm-sr086tbj-p.aspx>

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REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/22/19	S.ELLIS



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		SIZE A CAGE CODE 3FKR5 DRAWN BY K.DANG PART NUMBER FM-SR086TBJ REV A		SHEET 1 OF 1 SCALE N/A	

T-Rev.D