



TE Connectivity  
300 Constitutional Drive  
Menlo Park, CA 94025 USA

DOCUMENT NUMBER  
DK-602-0156 Series

REVISION  
F1

SPECIFICATION CONTROL DRAWING

CONTACTS, ELECTRICAL CONNECTOR, CONCENTRIC TRIAX FOR TWINAX CABLE, PIN,  
SOLDERTACT®, SIZE 8  
(FOR MIL-C-38999 SERIES I, III and IV)

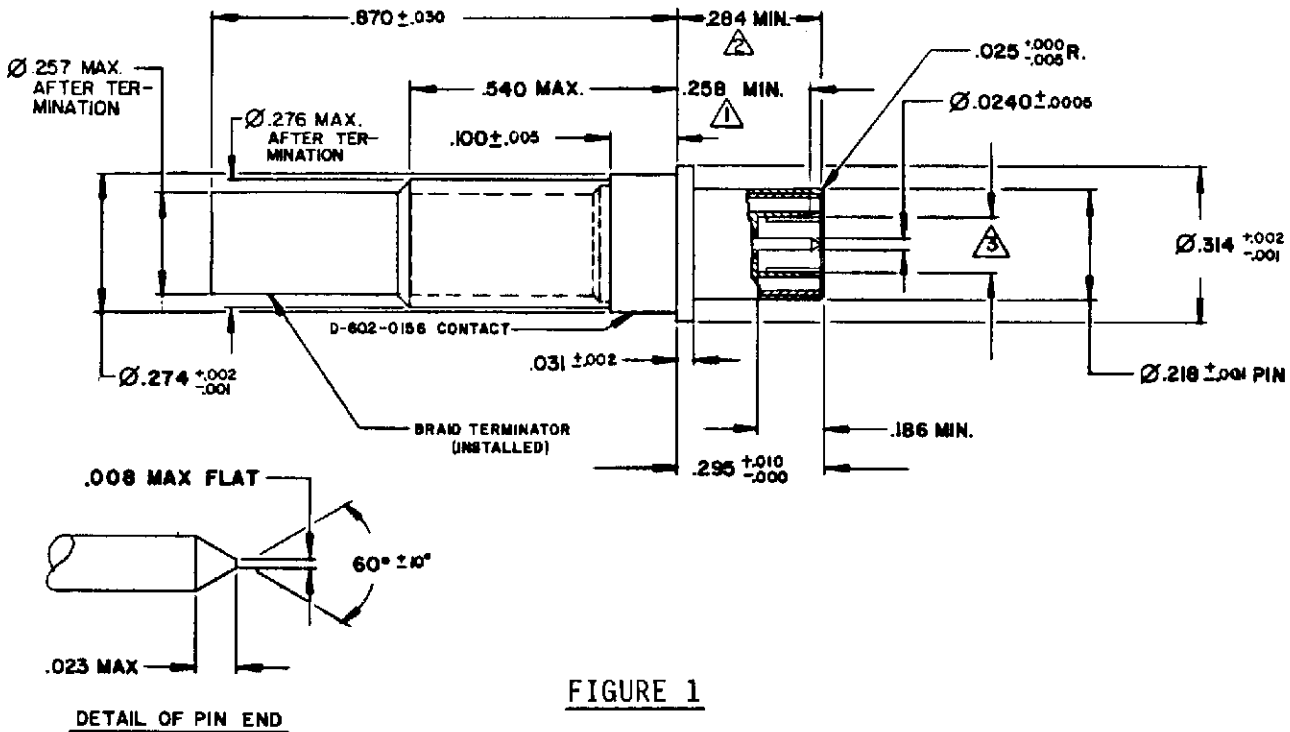


FIGURE 1

TABLE I

Inch	MM	Inch	MM	Inch	MM	Inch	MM
.0005	0.013	.0230	0.58	.1860	4.72	.2840	7.21
.0010	0.03	.0240	0.61	.2180	5.54	.2950	7.49
.0020	0.05	.0250	0.64	.2570	6.53	.3140	7.98
.0050	0.13	.0300	0.76	.2580	6.55	.5400	13.72
.0080	0.20	.0310	0.79	.2740	6.96	.8700	22.10
.0100	0.25	.1000	2.54	.2760	7.01		

NOTES:

- ① To point of engagement with a .113 basic diameter pin.
- ② To end of inner pin contact.
- ③ Socket mates with a .113 ± .001 diameter pin.
- 4. Dimensions are in inches after plating.
- 5. Metric dimensions are for information only.

If this document is printed it becomes uncontrolled.  
Check for the latest revision.

PREPARED BY Cerdan	APPROVED IM 5/16/85	APPROVED DT 5/16/85	APPROVED DS 5-17-85	DOCUMENT NUMBER DK-602-0156 Series
-----------------------	------------------------	------------------------	------------------------	---------------------------------------



TE Connectivity

 TE Connectivity  
 300 Constitutional Drive  
 Menlo Park, CA 94025 USA

DOCUMENT NUMBER

DK-602-0156 Series

REVISION

F1

Configuration: DK-602-0156-Series Kit contains a contact per Figure 1 and a Braid Terminator as described in Table II. Note the dash number following the part number.

TABLE II

Part Number	Braid Terminator	Cable O.D. Ref.
DK-602-0156-1	D-600-0044-1	.140 max.
DK-602-0156-2	D-600-0044-2	.155 max.
DK-602-0156-3	D-600-0044-3	.170 max.
DK-602-0156-4	D-600-0044-4	.180 max.

Qualification: Qualification Test Report is on file at Raychem.

Designs and Construction: Dimensions (Figure 1), design characteristics and configurations meet the functional requirement of M39029/90 for cable listed in Table III.

TABLE III. DESIGN CHARACTERISTICS

Contact Cavity Size	Cables Accommodated <u>1/</u>	Type	Class
8	<u>Raychem</u> 10612 10613 10614	(D) Copper Alloy Shielded	(A) 125°C

1/ Other applications should be submitted to Raychem for evaluation.

Mating Contact: D-602-0157, D-602-0170 and M39029/91.

Tools: See Table IV.

TABLE IV. TOOLS

Heating Tools <u>2/</u>	Reflectors <u>2/</u>	Holding Fixtures <u>2/</u>	Installing Tools	Removal Tools
AA-400 Super Heater	Mini Solder Sleeve	Raychem	M81969/14-06	M81969/14-06
CV-5300 Mini Gun	MG-1 Solder Sleeve	AD-1319 with AT-1319-14.	M81969/46-06	M81969/46-12

2/ See Termination Procedure: Raychem ES 61231.



TE Connectivity

 TE Connectivity  
 300 Constitutional Drive  
 Menlo Park, CA 94025 USA

DOCUMENT NUMBER

DK-602-0156 Series

REVISION

F1

Electrical Performance:

Contact Resistance: See Table V.

TABLE V. CONTACT RESISTANCE

Test Cable	Maximum Voltage Drop (millivolts)									Test Current (Amps)		
	25° +3° -0°C			<sup>3/</sup> 25° +3° -0°C			125° +3° -0°C					
	CONTACT											
	I N N E R	M I D D L E	O U T E R	I N N E R	M I D D L E	O U T E R	I N N E R	M I D D L E	O U T E R	I N N E R	M I D D L E	O U T E R
<u>Raychem</u>												
10612	55	55	75	66	66	90	94	94	128	1.0	1.0	12.0
10613												
10614												

<sup>3/</sup> After conditioning.

Low Signal Level Contact Resistance: See Table VI.

TABLE VI. LOW SIGNAL LEVEL CONTACT RESISTANCE  
(INNER CONTACT ONLY)

Test Cable	Maximum Contact Resistance (milliohms)	
	Initial	After Conditioning
<u>Raychem</u>		
10612	55	66
10613		
10614		



TE Connectivity  
300 Constitutional Drive  
Menlo Park, CA 94025 USA

DOCUMENT NUMBER  
DK-602-0156 Series

REVISION  
F1

Dielectric Withstanding Voltage: See Table VII.

TABLE VII. DIELECTRIC WITHSTANDING VOLTAGE

Contacts	Altitude	Test Voltages ac rms
Inner to Middle	Sea Level	1000
Middle to Outer	Sea Level	500

Operating Frequency: 0 to 20 MHz (operating frequency range)

Voltage Rating: 500 volts rms maximum at sea level; 125 volts at 70,000 feet

Mechanical Performance:

Contact Engagement and Separation Force (Socket Contacts Only): See Table VIII.

TABLE VIII. CONTACT ENGAGEMENT AND SEPARATION FORCE

Test Pin Diameter (inch)	Minimum Separation Force (ounces)		Maximum Engagement Force (ounces)	
	Initial	After Conditioning	Initial	After Conditioning
.1140 +.0000 -.0001	NA	NA	18	22
.1120 +.0001 -.0000	0.5	0.4	NA	NA

Tensile Strength: See Table IX.

TABLE IX. TENSILE STRENGTH (AT AMBIENT)

Test Cable	Tensile Strength (pounds) (minimum) <sup>4/</sup>		
	Inner Contact	Middle Contact	Outer Contact
<u>Raychem</u>			
10612	8	8	15
10613	8	8	25
10614	8	8	25

<sup>4/</sup> Cable may break before the termination.



TE Connectivity

TE Connectivity  
300 Constitutional Drive  
Menlo Park, CA 94025 USA

DOCUMENT NUMBER

DK-602-0156 Series

REVISION

F1

Vibration: Per MIL-C-39029/90A.

High Impact Shock: Per MIL-C-39029/90A.

Environmental Performance:

Operating Temperature: -65°C to +125°C.

Humidity: Per MIL-C-39029/90A.

Material:

Raw Material and Plating: Per MIL-C-39029, Type D.

Dielectric: Fluoropolymer.

Insulation Sleeve: Polyvinylidene Fluoride.

Solder: Sn63 per QQ-S-571 with RMA flux.



TE Connectivity  
 300 Constitutional Drive  
 Menlo Park, CA 94025 USA

DOCUMENT NUMBER  
 DK-602-0156 Series

REVISION  
 F1

REV. LETTER	PAGE	DETAILS OF REVISION	DATE	BY
N/C	1-6	Released per E.O. D-3208	02/21/85	IM
A	1-6	Revised per E.O. D-3338	05/16/85	IM
B	1	Revised per E.O. D-3456	06/05/85	IM
C	1-6	Revised per ECN T-06289	5/20/86	<i>[Signature]</i>
D	2	Revised per ECN T-7900	4/15/87	<i>[Signature]</i>
E	1,4	Revised per ECN T-08767	10/19/87	<i>[Signature]</i>
F	2,6	Revised per ECN T-12833	8/28/89	<i>[Signature]</i>
F1		REVISED PER ECO-11-005139	24MAR11	RK / HMR

If this document is printed it becomes uncontrolled.  
 Check for the latest revision.

**NOTICE** THE INFORMATION GIVEN HEREIN, INCLUDING DRAWINGS, ILLUSTRATIONS AND SCHEMATICS WHICH ARE INTENDED FOR ILLUSTRATION PURPOSES ONLY, IS BELIEVED TO BE RELIABLE. HOWEVER, TE CONNECTIVITY MAKES NO WARRANTIES AS TO ITS ACCURACY OR COMPLETENESS AND DISCLAIMS ANY LIABILITY IN CONNECTION WITH ITS USE. OBLIGATIONS SHALL BE ONLY AS SET FORTH IN RAYCHEM'S STANDARD TERMS AND CONDITIONS OF SALE FOR THIS PRODUCT AND IN NO CASE WILL TE CONNECTIVITY BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE, RESALE, USE OR MISUSE OF THE PRODUCT.

USERS OF TE CONNECTIVITY PRODUCTS SHOULD MAKE THEIR OWN EVALUATION TO DETERMINE THE SUITABILITY OF EACH SUCH PRODUCT FOR THE SPECIFIC APPLICATION.

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9