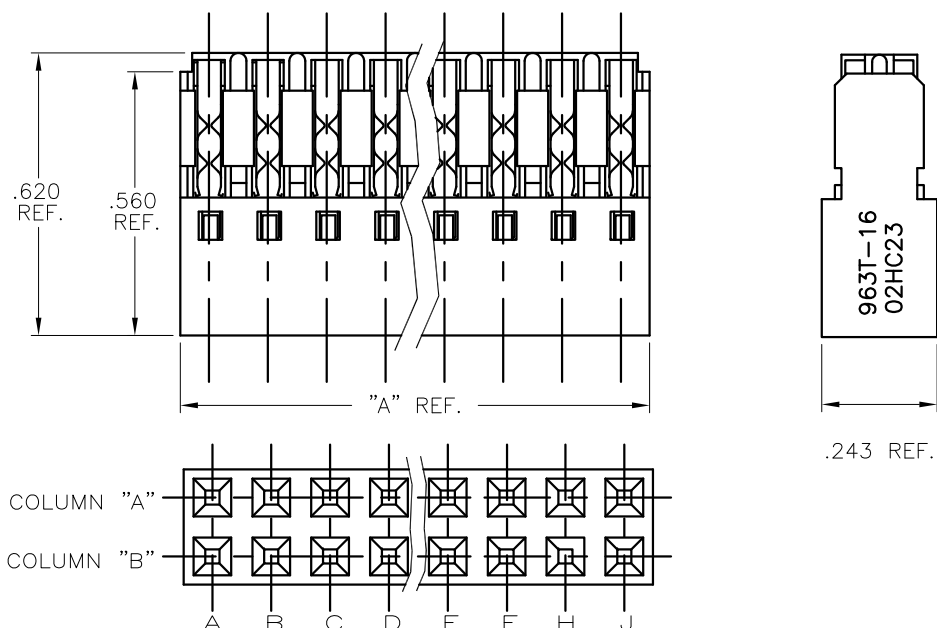


963T TYPE CONNECTORS
 963T-16 SHOWN BELOW


TECHNICAL SPECIFICATIONS

CONTACT: SPACING TYPE	0.125 INCH 2 POINT OF CONTACT SOCKET
RESISTANCE	13 MILLIOHM (TYPICAL)
OPERATING TEMPERATURE	-55°C TO 85°C
DURABILITY	200 INSERTION/EXTRACTIONS MIN.
WITHSTANDING VOLTAGE	1,500 V rms (MIN.), 2,500 V SURGE (MIN.) *
INSERTION FORCE	0.25 LB. MAXIMUM/CONTACT
EXTRACTION FORCE	0.25 LB. MAXIMUM/CONTACT
NORMAL FORCE	100 GRAMS MINIMUM
WIRE SIZE ***	28 TO 24 AWG, .040" MAX. INSUL.
MAX. RECOMMENDED CURRENT	1.5 AMP/CONTACT (MAXIMUM) **

* BASED ON SURGE HAVING 10 U SEC. RISE TIME & 700 U SEC. FALL TO 1/2 PEAK.

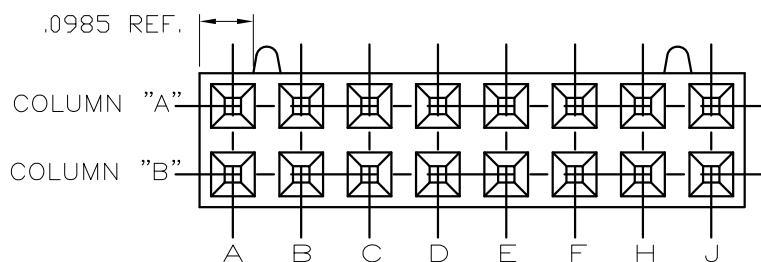
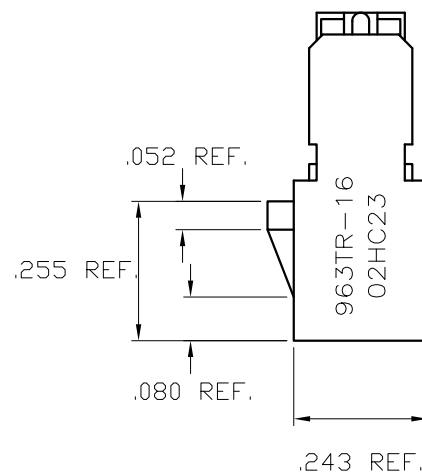
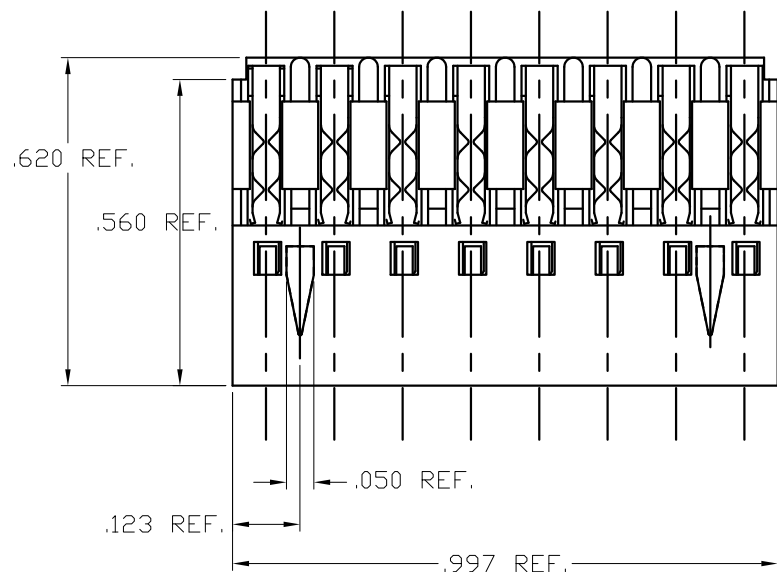
** BASED ON A 30°C TEMPERATURE RISE, WITH ALL CONTACTS SIMULTANEOUSLY CARRYING THE SAME CURRENT REFERENCES AND FREE CONVECTION COOLING.

*** SEE NOTE 4

mat'l. code SEE NOTE 1				surface ASME Y14.5	tolerance ASME Y14.5	projection INCH	product family FASTECH
ltr	ecm no	dr	date	tolerances unless otherwise specified		scale	title
H	V06-1118	HTB	2006-11-15	angles	to 1/2	INCH	963T & 963TR CONNECTOR ASSEMBLY
J	V06-1201	HTB	2006-12-14			scale NTS	
K	V09-0136	HTB	2009-03-25				
-	-	-	-	dr	R. CONRAD	2001-06-29	dwg no
E	V05-0152	HTB	2005-03-04	enrg	R. CONRAD	2001-06-29	sheet 1 of 3
F	V06-0195	HTB	2006-03-10	chr	R. CONRAD	2001-06-29	size
G	V06-0647	JRV	2006-07-05	appd	R. CONRAD	2001-06-29	A4
sheet index	revision	K	K	K			type
	sheet	1	2	3			CUSTOMER Drawing

PRODUCT NUMBER
SEE TABLE

963TR TYPE CONNECTORS (WITH RIBS)
963TR-16 SHOWN BELOW



mat'l. code SEE NOTE 1				surface ASME Y14.5	tolerance ASME Y14.5	projection INCH	product family FASTECH
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH	title 963T & 963TR CONNECTOR ASSEMBLY
k				angles	inches		dwg no A89KC4192
						scale: NTS	sheet 2 of 3
				dr	R. CONRAD	2001-06-29	size A4
				engr	R. CONRAD	2001-06-29	
				chr	R. CONRAD	2001-06-29	
				appd	R. CONRAD	2001-06-29	
sheet index	revision sheet						type CUSTOMER Drawing

PRODUCT NUMBER NOTE 3 AND 6	DIM. "A"	COLOR	NOTES
963T-6	0.372	NATURAL	
963T-6LF	0.372	NATURAL	
963T-6-CB	0.372	NATURAL	OBSOLETE
963T-8	0.497	NATURAL	
963T-8LF	0.497	NATURAL	
963T-8-CB	0.497	NATURAL	OBSOLETE
963T-12	0.747	NATURAL	
963T-12LF	0.747	NATURAL	
963T-12-CB	0.747	NATURAL	OBSOLETE
963T-16	0.997	NATURAL	
963T-16LF	0.997	NATURAL	
963T-16-CB	0.997	NATURAL	OBSOLETE
963T-20	1.247	NATURAL	
963T-20LF	1.247	NATURAL	OBSOLETE
963T-20-CB	1.247	NATURAL	OBSOLETE
963T-20-16	1.247	NATURAL	OBSOLETE
963T-20-16LF	1.247	NATURAL	NOTE 3
963T-20-16-CB	1.247	NATURAL	OBSOLETE
963T-20-16G	1.247	GRAY	OBSOLETE
963T-24	1.497	NATURAL	
963T-24LF	1.497	NATURAL	OBSOLETE
963T-24-CB	1.497	NATURAL	OBSOLETE
963T-24-16	1.497	NATURAL	OBSOLETE
963T-24-16-CB	1.497	NATURAL	OBSOLETE
963T-28	1.747	NATURAL	OBSOLETE
963T-32	1.997	NATURAL	OBSOLETE
963T-32-CB	1.997	NATURAL	OBSOLETE
963T-50	3.122	NATURAL	OBSOLETE
963T-56	3.497	NATURAL	OBSOLETE
963T-68	4.247	NATURAL	
963T-68LF	4.247	NATURAL	
963T-68-CB	4.247	NATURAL	OBSOLETE
963TR-16	0.997	NATURAL	
963TR-16LF	0.997	NATURAL	

NOTES:

- CONTACT MATERIAL: C52100, Au/Pd/Ag INLAY,
IDC AREA 100% TIN PLATED.
INSULATOR MATERIAL: GF NYLON, COLOR: NATURAL (LIGHT TAN) OR GRAY.
- CONTACT CAVITIES ARE IDENTIFIED FOR REFERENCE ONLY WITH LETTER DESIGNATIONS STARTING WITH ROW "A" THRU "Y" (OMITTING G,I,O,Q,V,X,Z) AND COLUMNS "A" AND "B".
- 963TR PRODUCT NUMBERS HAVE RIBS FOR USE WITH THE 12 TYPE RETAINERS.
PRODUCT NUMBERS ENDING WITH "CB" WERE SPECIAL CODED CONNECTORS FOR LUCENT COLUMBUS WORKS AND ARE NO LONGER AVAILABLE.
FOR PRODUCT NUMBERS 963T-20-16LF, 963T-20-16-CB, & 963T-20-16G: OMIT CONTACTS FROM ROW A AND L ON BOTH COLUMNS A AND B.
FOR PRODUCT NUMBERS 963T-24-16 AND 963T-24-16-CB: OMIT CONTACTS FROM ROW A, B, M AND N ON BOTH COLUMNS A AND B.
- SEE APPLICATION SPECIFICATION GS-20-004 FOR INSTRUCTIONS ON WIRE INSERTION, ASSEMBLY OF OPTIONAL COVERS AND APPROVED WIRE.
- SEE CUSTOMER DRAWING A92KC4077 FOR INFORMATION ON SNAP ON COVERS.
- PART NUMBERS WITH AN LF SUFFIX MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDERING PROCESSES.

mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5		ASME Y14.5				FASTECH	
ltr	ecr no	dr	date	tolerances unless otherwise specified		INCH		title	
K				angles		scale NTS		963T & 963TR CONNECTOR ASSEMBLY	
				dr	R. CONRAD	2001-06-29	dwg no		sheet 3 of 3
				enr	R. CONRAD	2001-06-29	A89KC4192		A4
				chr	R. CONRAD	2001-06-29	type		CUSTOMER Drawing
				appd	R. CONRAD	2001-06-29			
sheet index	revision sheet								