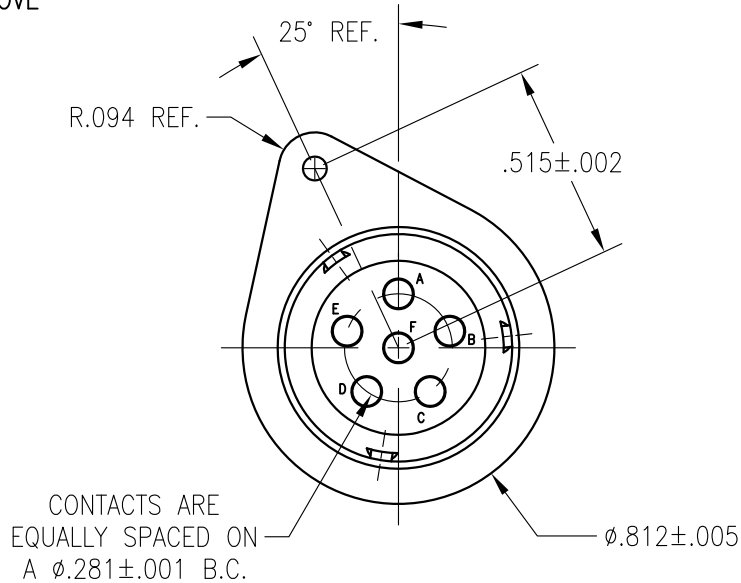
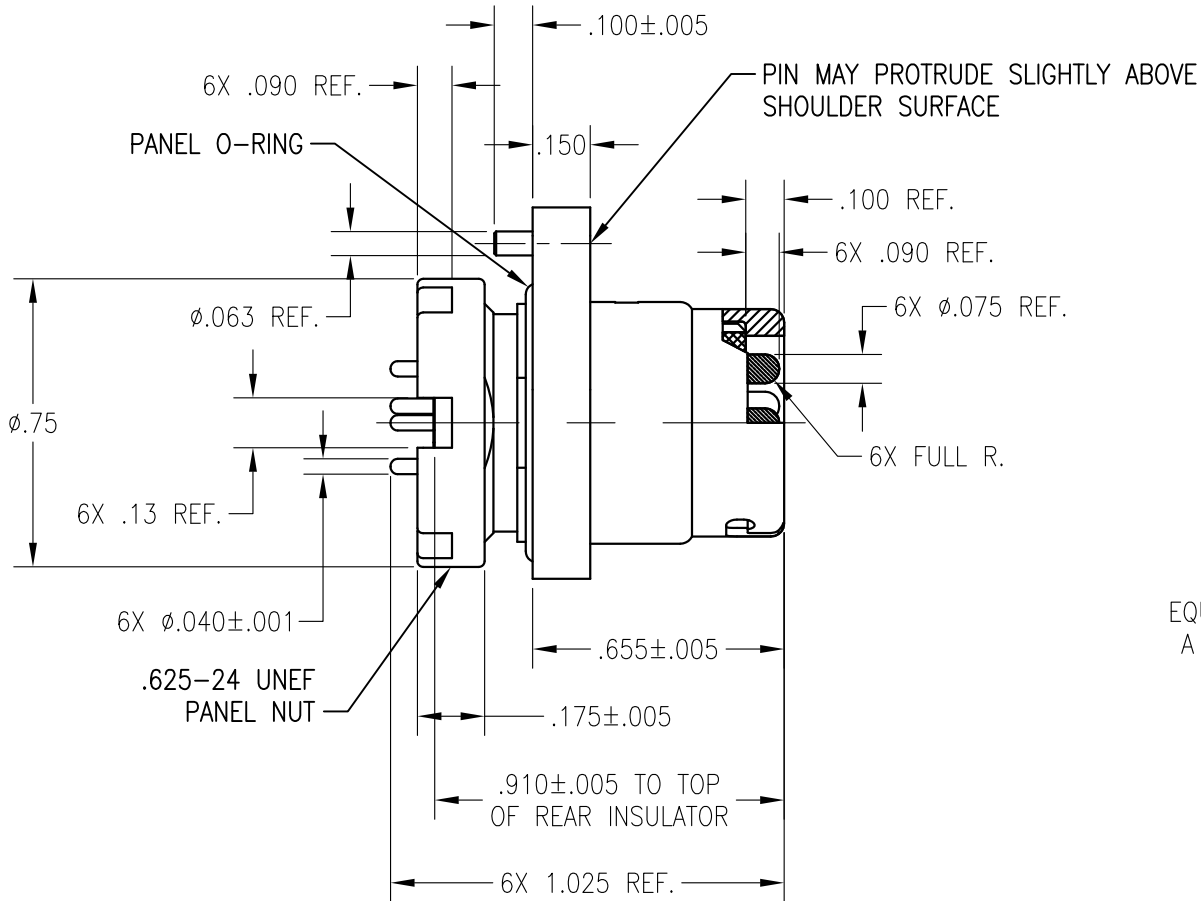
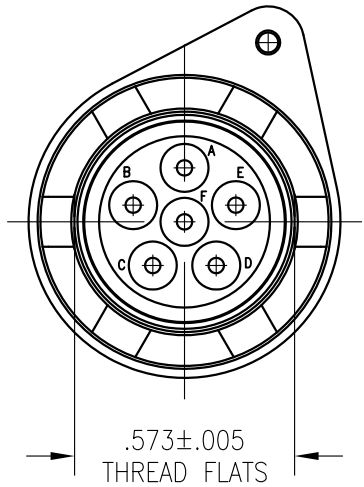


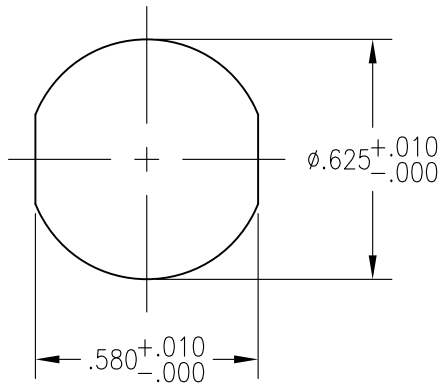
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DWG. NO.	SH	REV.
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASE TO PRODUCTION	02-14-13	JAA
B	.573±.005 WAS .573 REF.; ECO:07133	09-30-13	AH



PANEL CUTOUT
.125 MAX. PANEL
THICKNESS



FILE NAME: MC683ST-21CN6T.dwg

NEXT ASSEMBLY	USED ON

APPLICATIONS

QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION				MATERIAL SPECIFICATION	ITEM						
PARTS LIST														
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ±1/64 .XX ±.01 ±1/2" .XXX ±.003			CONTRACT NO.		MIL-CON™ AN AFFILIATE OF THE PHOENIX COMPANY OF CHICAGO MC683ST-21CN6T AUDIO CONNECTOR									
			APPROVALS						DATE					
THE INFORMATION DISCLOSED IN THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY TO MIL-CON INC. AND MAY NOT BE USED FOR MANUFACTURE OR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MIL-CON INC.			DRAWN C. Velasco		06/02/10		SIZE B		FSCM NO. 63525		DWG. NO. SD: MC683ST-21CN6T		REV. B	
			CHECKED A. Huezo		09/30/13									
			ISSUED											
DO NOT SCALE DRAWING							SCALE		NONE				SHEET 1 OF 2	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS:

- 1) MATERIALS:

SHELL & PANEL NUT: STAINLESS STEEL
CONTACTS: COPPER ALLOY
INSULATOR: DIALLYL PHTHALATE PER
MIL-M-14, TYPE MDG
- 2) FINISHES AND COLOR:

SHELL & PANEL NUT: PASSIVATED, SAND
BLASTED
CONTACTS: .000030 GOLD PER MIL-G-45204,
TYPE I; OVER .000100 NICKEL
PER QQ-N-290
INSULATOR: BLUE
- 3) ELECTRICAL PROPERTIES:

OPERATING VOLTAGE: 60 VOLTS MAX. POTENTIAL
CURRENT RATING: .5 AMPS MAX.
DIELECTRIC BREAKDOWN: 500 VRMS
INSULATION RESISTANCE: 1000 MEGOHMS MIN.
CONTACT RESISTANCE (MATED): .04 OHMS MAX.
- 4) MECHANICAL PROPERTIES:

AIR PRESSURE: 2.5 P.S.I.
WATER IMMERSION: 48 HOURS @ 6 FEET
DURABILITY: 3000 CYCLES, MATE & UNMATE
OPERATING TEMPERATURE: -55°C TO +85°C
- 5) MC683ST-21CN6T MATES WITH:

MC617 - ALL VERSIONS
MC329 - ALL VERSIONS
- 6) UNLESS OTHERWISE SPECIFIED, DIMENSIONS
SHOWN ARE FOR REFERENCE ONLY
- 7) THIS SPECIFICATION DESCRIBES THE REQUIREMENTS
FOR THIS SIX CONTACT, BAYONET STYLE, TWIST
LOCK AUDIO CONNECTOR FOR HIGH RELIABILITY
UNDER SEVERE ENVIRONMENTAL CONDITIONS THAT
MEET THE INTERFACE STANDARDS OF MIL-DTL-55116.
ALL CONTACTS ARE ELECTRICALLY ISOLATED FROM
THE CONNECTOR BODY.