

807-190

01

MASTER KEYWAY

Ø A

7

B FLAT

C THREAD

RED FULL MATE INDICATOR BAND

.900 MAX

.430 MAX

.060

Ø D

KNURLS OR RIDGES MFG'S OPTION

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASED PER DCN 23194	12/03/04	GSB
B	REVISED PER DCN 23239	12/13/04	GSB
C	REVISED PER DCN 23312	01/06/05	GSB
D	REVISED PER DCN 23341	01/12/05	GSB

PART NUMBER DEVELOPMENT

EXAMPLE: 807-190 - 01 ZN 6-7 P A

CONNECTOR SERIES

SHELL STYLE

01 = IN LINE RECEPTACLE FOR FRONT OR REAR PANEL MOUNTING

02 = SQUARE FLANGE RECEPTACLE FOR FRONT OR REAR PANEL MOUNTING

07 = JAM NUT RECEPTACLE FOR REAR PANEL MOUNTING

CLASS (SEE TABLE II)

INSERT ARRANGEMENT (SEE TABLE IV)

CONTACT STYLE

P = PIN

S = SOCKET

KEY POSITION

A, B, C, D (SEE TABLE III)

02

4X Ø H THRU

Ø .005

G BSC TYP

MASTER KEYWAY

Ø E

F SQ TYP

7

C THREAD

RED FULL MATE INDICATOR BAND

KNURLS OR RIDGES MFG'S OPTION

.900 MAX

.430 MAX

.060

Ø D

07

MASTER KEYWAY

Ø J

7

L FLAT

Ø O-RING

1.060 MAX

.430 MAX

.100 MAX PANEL THICKNESS

.060

Ø D

C THREAD

RED FULL MATE INDICATOR BAND

M THREAD

KNURLS OR RIDGES MFG'S OPTION

L-3 COMM APPLICATION

NO CHANGES PERMITTED UNLESS APPROVED BY L-3 COMM

07

MASTER KEYWAY

Ø J

7

L FLAT

K FLAT TYP

8. THIS CONNECTOR MATES WITH 807-189 HIGH DENSITY PLUG CONNECTORS WITH SAME POLARIZATION AND OPPOSITE CONTACT GENDER.

7 INSERT ARRANGEMENT SHOWN IS FOR REFERENCE ONLY.

6. CRIMP TOOL DATA (23 GA):

- CRIMP FRAME: GLENAIR P/N 809-015 (M22520/2-01)
- POSITIONER FOR USE WITH CRIMP FRAME: GLENAIR PART NO. 809-005.
- INSERTION TOOL: GLENAIR PART NO. 809-013 (METAL TWEEZERS TYPE TOOL).
- EXTRACTION TOOL: GLENAIR PART NO. 809-007 (METAL TWEEZERS TYPE TOOL). GLENAIR PART NO. 809-019 (PLASTIC TOOL WITH HANDLE)

5. 23 GA CRIMP BARREL ACCOMMODATES 22, 24, 26 AND 28 GAGE WIRE.

4. FOR ADDITIONAL INSERT ARRANGEMENTS CONSULT FACTORY.

3. THE CONTACTS ARE SIZE 23 CRIMP TYPE, AND ARE USED IN A REAR RELEASE RETENTION SYSTEM. (EXCEPT FOR 9-4 ARRANGEMENT)

2. MATERIAL / FINISH:

SHELL, AL ALLOY OR CRES/SEE TABLE II

INSULATOR-LCP OR EPOXY

INTERFACIAL SEAL, GROMMET SEAL- FLUOROSILICONE/N.A.

CONTACT- COPPER ALLOY / GOLD PLATE PER ASTM B 488, TYPE 3, CLASS 1.25 (.00005 MIN THK), OVER A SUITABLE UNDERPLATE.

O-RING - FLUOROSILICONE (NON-CONDUCTIVE).

1 ASSEMBLY TO BE IDENTIFIED WITH GLENAIR'S NAME PART NUMBER AND DATE CODE SPACE PERMITTING.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED	DRAWN	R L	05/13/04
DIMENSIONS ARE IN INCHES	CHECK		
TOLERANCES:	ENGR	GSB	05/13/04
FRACTIONS ± 1/16	<i>J. Brown</i>		
DECIMALS .XX ± .030	<i>J. Brown</i>		
DECIMALS .XXX ± .015	<i>J. Brown</i>		
ANGLES ± 1°	<i>J. Brown</i>		
DO NOT SCALE THIS DRAWING	RELEASE DATE	06324	05/13/04
B/F 04-3857	P/C 807	NON REPARABLE COMMERCIAL ITEM	

GLENAIR, INC.		CAD 1997
1211 AIR WAY - GLENDALE - CALIFORNIA 91201		
CONNECTOR, RECEPTACLE, QUICK COUPLING THREADS HIGH DENSITY CRIMP REAR RELEASE #23 CONTACTS, BANDING TERMINATION SHELL SIZE 5 THRU 17		
CODE IDENT. NO.	SIZE	REV.
06324	C	D
SCALE	WEIGHT	SHEET
N/A	N/A	1 OF 3

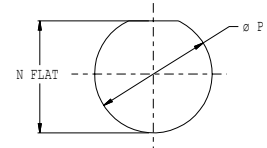
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1		

SHELL SIZE	DIMENSIONS											PANEL CUTOUT		
	ø A	B FLAT	C THREAD	ø D	ø E	F SQ	G BSC	H HOLES	ø J	K FLAT	L FLAT	M THREAD	N FLAT	ø P
5	.355	.325	.3125-.05P-.11-2A	.245	.680	.530	.363		.575	.545	.350	.3750-28 UN-2A	.362 .358	.385
6	.415	.385	.3750-.05P-.11-2A	.290	.750	.590	.423	.096 .091	.635	.595	.410	.4375-28 UNEF-2A	.422 .418	.448
7	.480	.445	.4375-.05P-.11-2A	.390	.850	.650	.483		.755	.723	.536	.5625-32 UN-2A	.553 .549	.573
9	.605	.575	.5625-.05P-.11-2A	.500	1.125	.850	.607		.830	.790	.596	.6250-28 UN-2A	.611 .607	.635
13	.855	.825	.8125-.1P-.2L-2A	.650	1.375	1.030	.812	.130 .126	1.078	1.044	.845	.875-28 UN-2A	.861 .857	.885
16	1.040	1.010	1.000-.1P-.2L-2A	.805	1.625	1.219	.981		1.264	1.230	1.022	1.0625-20 UN-2A	1.040 1.036	1.075
17	1.110	1.070	1.062-.1P-.2L-2A	.850	1.700	1.280	1.060		1.325	1.290	1.096	1.125-28 UN-2A	1.113 1.109	1.135

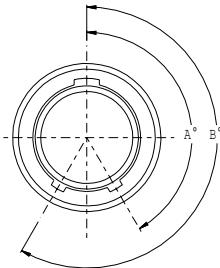
CLASS	SHELL MATERIAL	FINISH DESCRIPTION
C	ALUMINUM	BLACK ANODIZE FINISH
M		ELECTROLESS NICKEL
NF		OLIVE DRAB CADMIUM OVER ELECTROLESS NICKEL FINISH
ZN		ZINC-NICKEL/O. D. OVER ELECTROLESS NICKEL
Z1	STAINLESS STEEL	PASSIVATE

ALTERNATE KEY AND KEYWAY POSITION		
POSITION	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°



INSERT ARRANGEMENT		
ARR NO.	CONTACT SIZE	CONTACT QTY
5-3	23	3
6-4	23	4
6-7	23	7
7-10	23	10
9-19	23	19
9-4	16	4
13-37	23	37
16-55	23	55
17-85	23	85



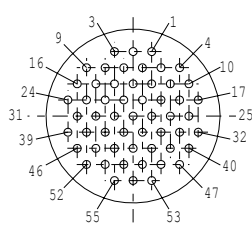
RECOMMENDED PANEL CUTOUT



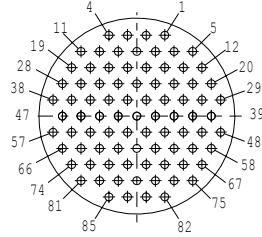
NORMAL AND ALTERNATE POSITION
KEY ROTATION

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS ± 1/16 DECIMALS .XXX ± .030 .XXX ± .015 ANGLES ± 1°	DRAWN	R L	05/13/04	GLENAIR, INC. CAD 1997 1211 AIR WAY - GLENDALE - CALIFORNIA 91201
	CHECKED	ENGR	GSB	
DO NOT SCALE THIS DRAWING	 			CONNECTOR, RECEPTACLE, QUICK COUPLING THREADS HIGH DENSITY CRIMP REAR RELEASE #23 CONTACTS, BANDING TERMINATION SHELL SIZE 5 THRU 17
B/F 04-3857	E/C 807	NON REPARABLE COMMERCIAL ITEM	SCALE N/A	CORE IDENT. NO. 06324 WEIGHT N/A SHEET 3 OF 3

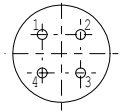
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1		



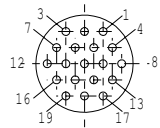
ARRANGEMENT NO. 16-55
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



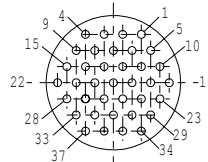
ARRANGEMENT NO. 17-85
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



ARRANGEMENT NO. 9-4
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



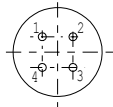
ARRANGEMENT NO. 9-19
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



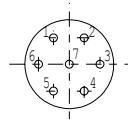
ARRANGEMENT NO. 13-37
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



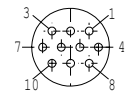
ARRANGEMENT NO. 5-3
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)





ARRANGEMENT NO. 6-4
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



ARRANGEMENT NO. 6-7
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)



ARRANGEMENT NO. 7-10
PIN FACE SHOWN
(SOCKET FACE OPPOSITE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS ± 1/16 DECIMALS .XX ±.030 .XXX ±.015 ANGLES ± 1°	DRAWN	R. L.	05/13/04	GLENAIR, INC. CAD 1997 1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
	CHECK				
	ENGR	G.S.B.	05/13/04		
DO NOT SCALE THIS DRAWING	  <small>APPROVED</small>		CONNECTOR, RECEPTACLE, QUICK COUPLING THREADS HIGH DENSITY CRIMP REAR RELEASE #23 CONTACTS, BANDING TERMINATION SHELL SIZE 5 THRU 17		
B/F 04-3857	P/C 807	NON REPARABLE COMMERCIAL ITEM	SCALE N/A	WEIGHT N/A	SHEET 2 OF 3
			CODE IDENT. NO. 06324 SIZE C 807-190 REV. D		