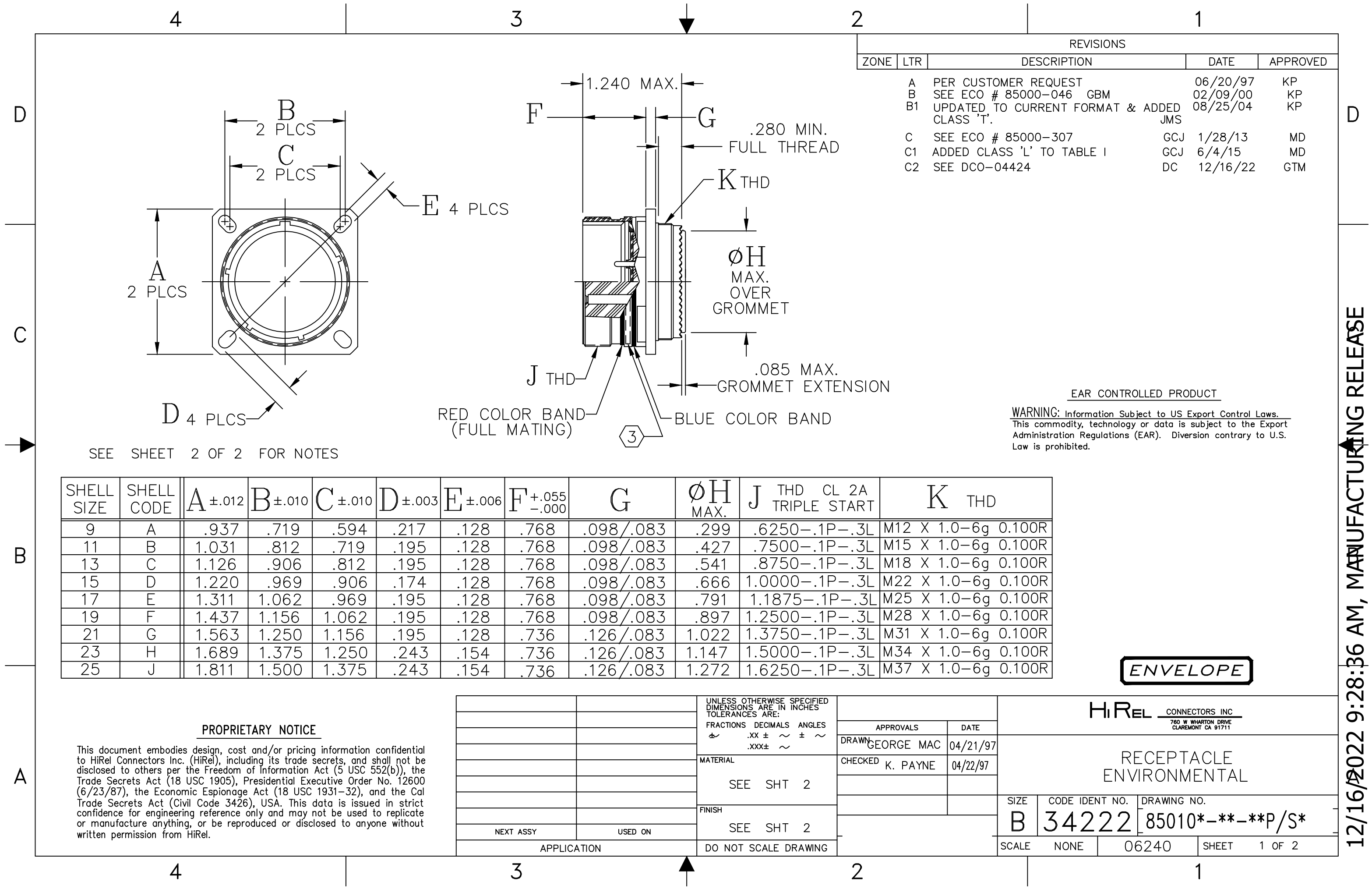




REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
A		PER CUSTOMER REQUEST	06/20/97	KP
B		SEE ECO # 85000-046 GBM	02/09/00	KP
B1		UPDATED TO CURRENT FORMAT & ADDED CLASS 'T'.	08/25/04	KP
C		SEE ECO # 85000-307	GCJ 1/28/13	MD
C1		ADDED CLASS 'L' TO TABLE I	GCJ 6/4/15	MD
C2		SEE DCO-04424	DC 12/16/22	GTM

EAR CONTROLLED PRODUCT

WARNING: Information Subject to US Export Control Laws.
This commodity, technology or data is subject to the Export Administration Regulations (EAR). Diversion contrary to U.S. Law is prohibited.

SHELL SIZE	SHELL CODE	A ±.012	B ±.010	C ±.010	D ±.003	E ±.006	F ^{+.055} _{-.000}	G	ØH MAX.	J THD CL 2A TRIPLE START	K THD
9	A	.937	.719	.594	.217	.128	.768	.098/.083	.299	.6250-.1P-.3L	M12 X 1.0-6g 0.100R
11	B	1.031	.812	.719	.195	.128	.768	.098/.083	.427	.7500-.1P-.3L	M15 X 1.0-6g 0.100R
13	C	1.126	.906	.812	.195	.128	.768	.098/.083	.541	.8750-.1P-.3L	M18 X 1.0-6g 0.100R
15	D	1.220	.969	.906	.174	.128	.768	.098/.083	.666	1.0000-.1P-.3L	M22 X 1.0-6g 0.100R
17	E	1.311	1.062	.969	.195	.128	.768	.098/.083	.791	1.1875-.1P-.3L	M25 X 1.0-6g 0.100R
19	F	1.437	1.156	1.062	.195	.128	.768	.098/.083	.897	1.2500-.1P-.3L	M28 X 1.0-6g 0.100R
21	G	1.563	1.250	1.156	.195	.128	.736	.126/.083	1.022	1.3750-.1P-.3L	M31 X 1.0-6g 0.100R
23	H	1.689	1.375	1.250	.243	.154	.736	.126/.083	1.147	1.5000-.1P-.3L	M34 X 1.0-6g 0.100R
25	J	1.811	1.500	1.375	.243	.154	.736	.126/.083	1.272	1.6250-.1P-.3L	M37 X 1.0-6g 0.100R

ENVELOPE

PROPRIETARY NOTICE

This document embodies design, cost and/or pricing information confidential to HiRel Connectors Inc. (HiRel), including its trade secrets, and shall not be disclosed to others per the Freedom of Information Act (5 USC 552(b)), the Trade Secrets Act (18 USC 1905), Presidential Executive Order No. 12600 (6/23/87), the Economic Espionage Act (18 USC 1931-32), and the Cal Trade Secrets Act (Civil Code 3426), USA. This data is issued in strict confidence for engineering reference only and may not be used to replicate or manufacture anything, or be reproduced or disclosed to anyone without written permission from HiRel.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		HiRel CONNECTORS INC. 760 W WHARTON DRIVE CLAREMONT CA 91711	
		FRACTIONS	DECIMALS	ANGLES	
		$\frac{X}{Y}$	.XX ± ~	± ~	
			.XXX ± ~		
		MATERIAL		APPROVALS	DATE
		SEE SHT 2		DRAWN GEORGE MAC	04/21/97
				CHECKED K. PAYNE	04/22/97
		FINISH			
		SEE SHT 2			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING		SIZE	CODE IDENT NO. DRAWING NO.
				B	34222 85010*-**-**P/S*
				SCALE	NONE 06240 SHEET 1 OF 2

12/16/2022 9:28:36 AM, MANUFACTURING RELEASE

4

3

2

1

PROPRIETARY NOTICE

EAR CONTROLLED PRODUCT

REVISIONS

This document embodies design, cost and/or pricing information confidential to HiRel Connectors Inc. (HiRel), including its trade secrets, and shall not be disclosed to others per the Freedom of Information Act (5 USC 552(b)), the Trade Secrets act (18 USC 1905), Presidential Executive Order No. 12600 (6/23/87), the Economic Espionage Act (18 USC 1931-32), and the Cal Trade Secrets Act (Civil Code 3426), USA. This data is issued in strict confidence for engineering reference only and may not be used to replicate or manufacture anything, or be reproduced or disclosed to anyone without written permission from HiRel.

WARNING: Information Subject to US Export Control Laws.
This commodity, technology or data is subject to the Export Administration Regulations (EAR). Diversion contrary to U.S. Law is prohibited.

SEE SHT.1 FOR REVISION

TABLE I

CLASS	MATERIAL	FINISH
F	AL	ELECTROLESS NICKEL
G	AL	ELECTROLESS NICKEL (SPACE GRADE)
K	CRES	PASSIVATED
L	CRES	ELECTROLESS NICKEL
S	CRES	ELECTRODEPOSITED NICKEL
T	Ti	NATURAL (NON MIL-STD CLASS)
W	AL	O D CADMIUM OVER NICKEL

NOTES : UNLESS OTHERWISE SPECIFIED

1. MATERIAL AND FINISH:
SHELL: PER MIL-DTL-38999 SERIES III, SEE TABLE I
INSULATOR: GLASS REINFORCED EPOXY
WIRE SEALING GROMMET: RESILIENT FLUOROSILICONE/SILICONE BLEND
INTERFACIAL SEAL (PIN INSERT ONLY): RESILIENT FLOUROSILICONE/SILICONE BLEND
CONTACT RETAINING CLIPS: COPPER ALLOY.

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-DTL-38999, SERIES III, D38999/20 AND MIL-STD-1560.

3. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR IN ACCORDANCE WITH MIL-STD-130:
A. HIREL PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION)
B. "HIRELCO" OR "HRC" AS SPACE ALLOWS
C. HIREL'S CAGE NUMBER "34222"
D. DATE CODE

4. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR PACKAGING:
A. HIREL PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION)

5. FOR SPACE GRADE CONNECTORS THE REQUIREMENTS OF HIRELCO DRAWING 0100-144 SHALL APPLY UNLESS OTHERWISE SPECIFIED ON PURCHASE ORDER.

EXPLANATION OF PART NUMBER

85010K-9-98 P N - LC = P/N SUFFIX FOR LESS CONTACTS (NOT MARKED ON CONNECTOR)

POLARIZATION: PER MIL-DTL-38999, SERIES III ("N" REQUIRED FOR NORMAL POLARIZATION)

CONTACT STYLE DESIGNATOR:
A = PIN CONTACT INSERT (NO CONTACTS)
B = SOCKET CONTACT INSERT (NO CONTACTS)
P = PIN, 500 CYCLE
S = SOCKET, 500 CYCLE
H = PIN, 1500 CYCLE
J = SOCKET, 1500 CYCLE

INSERT ARRANGEMENT: PER MIL-STD-1560 OR BHTI STD 160-035

SHELL SIZE DESIGNATOR

CONNECTOR CLASS PER MIL-DTL-38999 SERIES III, SEE TABLE I

BASIC NUMBER

ENVELOPE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE		HiRel CONNECTORS INC			
FRACTIONS	DECIMALS	ANGLES				760 W WHARTON DRIVE CLAREMONT CA 91711			
$\frac{A}{B}$	.XX ± ~	± ~	DRAWN	GEORGE MAC	04/21/97	RECEPTACLE ENVIRONMENTAL			
	.XXX± ~		CHECKED	KEN PAYNE	04/22/97				
MATERIAL		1				SIZE	CODE	IDENT NO.	DRAWING NO.
FINISH		1				B	34222	85010*-**-**P/S*	
NEXT ASSY	USED ON			SCALE	NONE	29767	SHEET		2 OF 2
APPLICATION		DO NOT SCALE DRAWING							

12/16/2022 9:29:00 AM, MANUFACTURING RELEASE