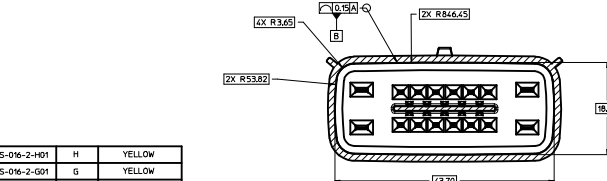


SCALE 1:1



- NOTES: UNLESS OTHERWISE SPECIFIED
- 1. DRAFT ANGLE PERMISSIBLE 0.25° MAXIMUM.
- 2. ALL DIMENSIONS SHOWN IN MILLIMETERS.
- 3. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
- 4. RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII 0.25 EXCEPT AS NOTED.
- 5. STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
- 6. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU H) WILL FUNCTION. THE SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES FOR ADDITIONAL INFORMATION.
- 7. REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.uscarteams.org>

8. FOR BLADE TERMINAL DESIGN INFORMATION SEE EWCAP DWG. # EWCAP-001

9. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.

CONSTRUCTION BELOW THIS SURFACE IS NOT CONTROLLED BY EWCAP. NO PLASTIC FEATURES MAY EXTEND ABOVE THIS SURFACE

IF HEADER IS RECESSED INTO POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING SHROUD.

REV	DESCRIPTION	DATE
088 B23	ADDED DRAFT DIRECTION SYMBOL	3-25-11
088 B22	ADDED REF DIMENSION FOR LATCH HEIGHT	3-11-11
088 B21	REMOVED THE WORD "OPTION" AT VIEW OF BACK ANGLE	3-11-11
088 B20	CHANGED FROM 1.75 TO 1.80	3-11-11
088 B19	ADDED 4X 10.805 [0.20] AT BASE AND [0.30] AT TIP FOR 2.8 BLADE TERMINALS	1-14-11
088 B18	CHANGED 6X TO 12X FOR THE 1.5 BLADE TERMINALS	1-14-11
088 B17	UPDATED CONNECTOR COLORS	1-14-11
088 B16	ADDED -G-	5-04-10
088 B15	REMOVED [0.10] AT [A]	5-04-10
088 B14	REMOVED SHORTING BAR NOTE	5-04-10
088 B13	UPDATED NOTE 8 REMOVED REV F	5-04-10
088 B12	ADDED NOTE 9	5-04-10
088 B11	ADDED DIM 1.35+0.10/-0.20 MEASURED AT 2.9 FROM [A] ALL AROUND	5-11-10
088 B10	ADDED SEE NOTE 8	5-04-10
088 B9	2.50 WAS 2.80. ADDED (280-1001)	5-11-10
088 B8	ADDED [0.50] AT [B]	5-04-10
088 B7	ADDED [0.20] AT [B]	5-04-10
088 B6	ADDED DIM [8.43]	5-04-10
088 B5	ADDED SEC C-C	5-04-10
088 B4	UPDATED SEC B-B	5-04-10
088 B3	ADDED DETAIL D	5-04-10
088 B2	ADDED SEC C-C	5-04-10
088 B1	ADDED DIM 0.70+0.15 ALL AROUND	5-04-10
088 B	RELEASED	5-04-10

REV	DESCRIPTION	DATE	DWN	CHK
088 B23	ADDED DRAFT DIRECTION SYMBOL	3-25-11		
088 B22	ADDED REF DIMENSION FOR LATCH HEIGHT	3-11-11		
088 B21	REMOVED THE WORD "OPTION" AT VIEW OF BACK ANGLE	3-11-11		
088 B20	CHANGED FROM 1.75 TO 1.80	3-11-11		
088 B19	ADDED 4X 10.805 [0.20] AT BASE AND [0.30] AT TIP FOR 2.8 BLADE TERMINALS	1-14-11		
088 B18	CHANGED 6X TO 12X FOR THE 1.5 BLADE TERMINALS	1-14-11		
088 B17	UPDATED CONNECTOR COLORS	1-14-11		
088 B16	ADDED -G-	5-04-10		
088 B15	REMOVED [0.10] AT [A]	5-04-10		
088 B14	REMOVED SHORTING BAR NOTE	5-04-10		
088 B13	UPDATED NOTE 8 REMOVED REV F	5-04-10		
088 B12	ADDED NOTE 9	5-04-10		
088 B11	ADDED DIM 1.35+0.10/-0.20 MEASURED AT 2.9 FROM [A] ALL AROUND	5-11-10		
088 B10	ADDED SEE NOTE 8	5-04-10		
088 B9	2.50 WAS 2.80. ADDED (280-1001)	5-11-10		
088 B8	ADDED [0.50] AT [B]	5-04-10		
088 B7	ADDED [0.20] AT [B]	5-04-10		
088 B6	ADDED DIM [8.43]	5-04-10		
088 B5	ADDED SEC C-C	5-04-10		
088 B4	UPDATED SEC B-B	5-04-10		
088 B3	ADDED DETAIL D	5-04-10		
088 B2	ADDED SEC C-C	5-04-10		
088 B1	ADDED DIM 0.70+0.15 ALL AROUND	5-04-10		
088 B	RELEASED	5-04-10		

REVISION RECORD		DATE	DWN	CHK
LET				

DIMENSIONS ARE IN MILLIMETERS		ANGLE UNLESS OTHERWISE SPECIFIED	
X	+0.2	Ø	+0.10

TOLERANCE UNLESS OTHERWISE SPECIFIED	
Ø	0.10
X	0.2
Ø	0.10
X	0.2

SCALE	DRAWN BY	CHECKED BY	DATE
3:1	K. CUNNINGHAM	V. KOSHY	1-14-11

EWCAP

DIRECT CONNECT INTERFACE
16 WAY (2 X 8) 1.5 MM SEALED MALE

SHEET	DRAWING NUMBER	REV.	SCALE	DATE
1 OF 1	999-S-016-2-Z02	E	3:1	1-14-11

EWCAP PN	OPTION	MATING CONNECTOR COLOR
999-S-016-2-H01	H	YELLOW
999-S-016-2-G01	G	YELLOW
999-S-016-2-F01	F	YELLOW
999-S-016-2-E01	E	YELLOW
999-S-016-2-D01	D	BLACK
999-S-016-2-C01	C	DARK GRAY
999-S-016-2-B01	B	GREY
999-S-016-2-A01	A	BLACK

