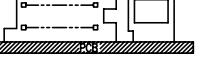
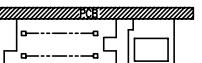
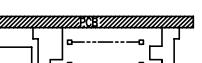


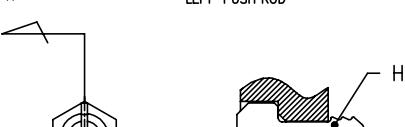
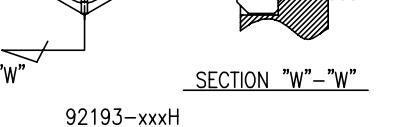
PRODUCT NO.	92193
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PRODUCT NO. 92193-XXXXX	STAND OFF(mm)	DIM "N" (mm)	PUSH ROD COLOR	HDR SOLDER TAIL	HOLD DOWN	MECH ASSY 92192-XXXX	HDR ASSY 92140-XXXX	DIM "P" (mm)	HDR COLOR	SHEET NO.	MOUNT STYLE TO PCB & DIRECTION OF PUSH ROD
000AA	0	8	BLACK	R/A	NONE	00AA	000	2.8			
000CA	0	13	BLACK	R/A	NONE	00CA	000	2.8			
000CAH	0	13	BLACK	R/A	YES	00CAH	000H	2.8			
000CB	0	13	BLUE	R/A	NONE	00CB	000	2.8			
000CBH	0	13	BLUE	R/A	YES	00CBH	000H	2.8			
000FA	0	21	BLACK	R/A	YES	00FA	000	2.8			
001AA	0	8	BLACK	SMT STAGGERED	NONE	00AA	001	—#—			
001AAH	0	8	BLACK	SMT STAGGERED	YES	00AAH	001H	—#—			
001CA	0	13	BLACK	SMT STAGGERED	NONE	00CA	001	—#—			
001CAH	0	13	BLACK	SMT STAGGERED	YES	00CAH	001H	—#—			
001FA	0	21	BLACK	SMT STAGGERED	NONE	00FA	001	—#—			
001FAH	0	21	BLACK	SMT STAGGERED	YES	00FAH	001H	—#—			
002CA	0	13	BLACK	SMT IN LINE	NONE	00CA	002	—#—			
002CAH	0	13	BLACK	SMT IN LINE	YES	00CAH	002H	—#—			
020CA	2	13	BLACK	R/A	NONE	02CA	040	2.5			
040CA	4	13	BLACK	R/A	NONE	04CA	010	2.8			
050CA	5	13	BLACK	R/A	NONE	05CA	020	2.8			
050CAH	5	13	BLACK	R/A	YES	05CAH	020H	2.8			
100CA	0	13	BLACK	R/A	NONE	10CA	000	2.8			
100CAH	0	13	BLACK	R/A	YES	10CAH	000H	2.8			
101CA	0	13	BLACK	SMT STAGGERED	NONE	10CA	001	—#—			
101CAH	0	13	BLACK	SMT STAGGERED	YES	10CAH	001H	—#—			
101FA	0	21	BLACK	SMT STAGGERED	NONE	10FA	001	—#—			
101FAH	0	21	BLACK	SMT STAGGERED	YES	10FAH	001H	—#—			
102CA	0	13	BLACK	SMT IN LINE	NONE	10CA	002	—#—			
102CAH	0	13	BLACK	SMT IN LINE	YES	10CAH	002H	—#—			
120CA	2	13	BLACK	R/A	NONE	12CA	040	2.5			
120FA	2	21	BLACK	R/A	NONE	12FA	040	2.5			
130CA	3	13	BLACK	R/A	NONE	13CA	050	2.8			
130CAH	3	13	BLACK	R/A	YES	13CAH	050H	2.8			
140CA	4	13	BLACK	R/A	NONE	14CA	010	2.8			
150CA	5	13	BLACK	R/A	NONE	15CA	020	2.8			
500CA	0	13	BLACK	R/A	NONE	10CA	500	2.8			
500CAH	0	13	BLACK	R/A	YES	10CAH	500H	2.8			
500FA	0	21	BLACK	R/A	NONE	10FA	500	2.8			
501CA	0	13	BLACK	SMT STAGGERED	NONE	10CA	501	—#—			
501CAH	0	13	BLACK	SMT STAGGERED	YES	10CAH	501H	—#—			
502CA	0	13	BLACK	SMT IN LINE	NONE	10CA	502	—#—			
502CAH	0	13	BLACK	SMT IN LINE	YES	10CAH	502H	—#—			
502FA	0	21	BLACK	SMT IN LINE	NONE	10FA	502	—#—			
520CA	2	13	BLACK	R/A	NONE	12CA	540	2.5			
540CA	4	13	BLACK	R/A	NONE	14CA	510	2.8			
550CA	5	13	BLACK	R/A	NONE	15CA	520	2.8			
600CA	0	13	BLACK	R/A	NONE	00CA	500	2.8			
600CAH	0	13	BLACK	R/A	YES	00CAH	500H	2.8			
601CA	0	13	BLACK	SMT STAGGERED	NONE	00CA	501	—#—			
601CAH	0	13	BLACK	SMT STAGGERED	YES	00CAH	501H	—#—			
602CA	0	13	BLACK	SMT IN LINE	NONE	00CA	502	—#—			
602CAH	0	13	BLACK	SMT IN LINE	YES	00CAH	502H	—#—			
620CA	2	13	BLACK	R/A	NONE	02CA	540	2.5			
640CA	4	13	BLACK	R/A	NONE	04CA	510	2.8			
650CA	5	13	BLACK	R/A	NONE	05CA	520	2.8			

NOTE
1. THIS PRODUCT MEETS EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY
REGULATIONS AS DESCRIBED IN GS-22-008.

S	Guardian Transfer to Nantong	J05-0215	M.H	4/25/05	REVISIONS
T	REVISED (ADDED -*****LF)	J05-0127	WB	J05/18/05	REV
U	ADD NEW P/N -120CAHLF	N07-0026	DT	1/29/07	DESCRIPTION
					ECN
					BY
					DATE

000AA	0	8	BLACK	R/A	NONE	00AA	000	2.8	BLACK	NO.2	 TOP MOUNT TO PCB & RIGHT PUSH ROD
000CA	0	13	BLACK	R/A	NONE	00CA	000	2.8			
000CAH	0	13	BLACK	R/A	YES	00CAH	000H	2.8	BLACK	NO.3	 TOP MOUNT TO PCB & RIGHT PUSH ROD
000CB	0	13	BLUE	R/A	NONE	00CB	000	2.8			
000CBH	0	13	BLUE	R/A	YES	00CBH	000H	2.8	BLACK	NO.4	 TOP MOUNT TO PCB & RIGHT PUSH ROD
000FA	0	21	BLACK	R/A	YES	00FA	000	2.8			
001AA	0	8	BLACK	SMT STAGGERED	NONE	00AA	001	—#—	BLACK	NO.5	 TOP MOUNT TO PCB & LEFT PUSH ROD
001AAH	0	8	BLACK	SMT STAGGERED	YES	00AAH	001H	—#—			
001CA	0	13	BLACK	SMT STAGGERED	NONE	00CA	001	—#—	NATURAL	NO.6	 BOTTOM MOUNT TO PCB & RIGHT PUSH ROD
001CAH	0	13	BLACK	SMT STAGGERED	YES	00CAH	001H	—#—			
001FA	0	21	BLACK	SMT STAGGERED	NONE	00FA	001	—#—	NATURAL	NO.7	 BOTTOM MOUNT TO PCB & LEFT PUSH ROD
001FAH	0	21	BLACK	SMT STAGGERED	YES	00FAH	001H	—#—			
002CA	0	13	BLACK	SMT IN LINE	NONE	00CA	002	—#—	NATURAL	NO.8	 BOTTOM MOUNT TO PCB & RIGHT PUSH ROD
002CAH	0	13	BLACK	SMT IN LINE	YES	00CAH	002H	—#—			
020CA	2	13	BLACK	R/A	NONE	12CA	540	2.5	NATURAL	NO.9	 BOTTOM MOUNT TO PCB & LEFT PUSH ROD
040CA	4	13	BLACK	R/A	NONE	14CA	510	2.8			
050CA	5	13	BLACK	R/A	NONE	15CA	520	2.8			
500CA	0	13	BLACK	R/A	NONE	10CA	500	2.8			
500CAH	0	13	BLACK	R/A	YES	10CAH	500H	2.8			
500FA	0	21	BLACK	R/A	NONE	10FA	500	2.8			
501CA	0	13	BLACK	SMT STAGGERED	NONE	10CA	501	—#—			
501CAH	0	13	BLACK	SMT STAGGERED	YES	10CAH	501H	—#—			
502CA	0	13	BLACK	SMT IN LINE	NONE	10CA	502	—#—			
502CAH	0	13	BLACK	SMT IN LINE	YES	10CAH	502H	—#—			
502FA	0	21	BLACK	SMT IN LINE	NONE	10FA	502	—#—			
520CA	2	13	BLACK	R/A	NONE	12CA	540	2.5			
540CA	4	13	BLACK	R/A	NONE	14CA	510	2.8			
550CA	5	13	BLACK	R/A	NONE	15CA	520	2.8			

	TITLE 68P EJECTOR HEADER ASSY FOR TYPE I / II / III (FOR 5.0V)		
REV	W	Customer Copy	DATE
A	RELEASED	EN05-0127	4/25/05
B	REVISED	J05-0198	4/19/05
C	REVISED	J40163	5/26/94
D	REVISED	V40740	6/24/94
E	REVISED	V40840	7/5/94
F	REVISED	J40198	7/19/94
G	REVISED	V32120	12/27/94
H	REVISED	J40349	1/20/95
J	REVISED	J50242	9/18/95
K	REVISED	V60956	7/29/96
L	REVISED (ADDED-050CAH -130CA -130CAH)	J70134	8/8/97
M	REVISED	N90076	7/22/99
N	REVISED (ADDED-502FA)	V91595	11/11/99
P	REVISED	J05-0198	4/4/05
R	REVISED	V04-0820	4/25/05
NOTE : N 0 LF : YES (SEE NOTE 1)			
NONE : N 0 H : YES			
A : BLACK B : BLUE			
PUSH ROD LENGTH (DIM "N") A : 8mm C : 13mm F : 21mm			
HOLD DOWN 0 : R/A 1 : SMT STAGGERED 2 : SMT IN LINE			
STAND OFF HEIGHT (DIM "M") 0 : 0mm(NONE) 2 : 2mm 3 : 3mm 4 : 4mm 5 : 5mm			
MOUNT STYLE TO PCB & DIRECTION OF PUSH ROD 0 : TOP MOUNT & RIGHT PUSH ROD 1 : TOP MOUNT & LEFT PUSH ROD 5 : BOTTOM MOUNT & RIGHT PUSH ROD 6 : BOTTOM MOUNT & LEFT PUSH ROD			
SECTION "W"- "W" SECTION "W"- "W"			
TYP.(4)			
			
SECTION "W"- "W"			
92193-xxxH (OPTIONAL HOLD DOWN)			
			
REV SHEET U 1 of 10			

PRODUCT NO.	
92193	

S	Guardian Transfer to Nantong	J05-0215	M.H	4/25/05	REVISIONS
T	REVISED (ADDED -*****L)	J05-0127	WB	J05/18/05	REV DESCRIPTION ECN BY DATE
U					A RELEASED J30022 M.K 1/19/93
					B REVISED J30128 M.K 4/27/94
					C REVISED J40163 M.K 5/26/94
					D REVISED J40740 M.K 6/24/94
					E REVISED J40840 M.K 7/5/94
					F REVISED J40198 M.K 7/19/94
					G REVISED J32120 M.K 12/27/94
					H REVISED J40349 M.K 1/20/95
					J REVISED J50242 M.K 9/18/95
					K REVISED V60956 M.K 7/29/96
					L REVISED (ADDED-050CAH -130CA -130CAH) J70134 K.S 8/8/97
					M REVISED N90076 M.K 7/22/99
					N REVISED (ADDED-502FA) V91595 M.K 11/11/99
					P REVISED J05-0198 M.H 4/4/05
					R REVISED V04-0820 M.H 4/25/05

PRODUCT NO.	STAND OFF(mm)	DIM "N"(mm)	PUSH ROD COLOR	HDR SOLDER TAIL	HOLD DOWN	MECH ASSY 92192-XXXX	HDR ASSY 92140-XXXX	DIM "P"(mm)	HDR COLOR	SHEET NO.	MOUNT STYLE TO PCB & DIRECTION OF PUSH ROD
92193-XXXXX	OFF(mm)	(mm)									
000AALF	0	8	BLACK	R/A	NONE	00AA	000LF	2.8	BLACK	NO.2	TOP MOUNT TO PCB & RIGHT PUSH ROD
000CALF	0	13	BLACK	R/A	NONE	00CA	000LF	2.8			
000CAHLF	0	13	BLACK	R/A	YES	00CAH	000HLF	2.8	BLACK	NO.3	TOP MOUNT TO PCB & RIGHT PUSH ROD
000CBLF	0	13	BLUE	R/A	NONE	00CB	000LF	2.8			
000CBHLF	0	13	BLUE	R/A	YES	00CBH	000HLF	2.8	BLACK	NO.4	TOP MOUNT TO PCB & LEFT PUSH ROD
000FALF	0	21	BLACK	R/A	YES	00FA	000LF	2.8			
001AA	0	8	BLACK	SMT STAGGERED	NONE	00AA	001	—#	BLACK	NO.5	TOP MOUNT TO PCB & LEFT PUSH ROD
001AAH	0	8	BLACK	SMT STAGGERED	YES	00AAH	001H	—#			
001CA	0	13	BLACK	SMT STAGGERED	NONE	00CA	001	—#	NATURAL	NO.6	BOTTOM MOUNT TO PCB & RIGHT PUSH ROD
001CAH	0	13	BLACK	SMT STAGGERED	YES	00CAH	001H	—#			
001FA	0	21	BLACK	SMT STAGGERED	NONE	00FA	001	—#	NATURAL	NO.7	BOTTOM MOUNT TO PCB & LEFT PUSH ROD
001FAH	0	21	BLACK	SMT STAGGERED	YES	00FAH	001H	—#			
002CA	0	13	BLACK	SMT IN LINE	NONE	00CA	002	—#	NATURAL	NO.8	BOTTOM MOUNT TO PCB & LEFT PUSH ROD
002CAH	0	13	BLACK	SMT IN LINE	YES	00CAH	002H	—#			
020CALF	2	13	BLACK	R/A	NONE	02CA	040LF	2.5	BLACK	NO.3	TOP MOUNT TO PCB & RIGHT PUSH ROD
040CALF	4	13	BLACK	R/A	NONE	04CA	010LF	2.8			
050CALF	5	13	BLACK	R/A	NONE	05CA	020LF	2.8	BLACK	NO.4	TOP MOUNT TO PCB & LEFT PUSH ROD
050CAHLF	5	13	BLACK	R/A	YES	05CAH	020HLF	2.8			
100CALF	0	13	BLACK	R/A	NONE	10CA	000LF	2.8	BLACK	NO.5	TOP MOUNT TO PCB & LEFT PUSH ROD
100CAHLF	0	13	BLACK	R/A	YES	10CAH	000HLF	2.8			
101CA	0	13	BLACK	SMT STAGGERED	NONE	10CA	001	—#	NATURAL	NO.6	BOTTOM MOUNT TO PCB & RIGHT PUSH ROD
101CAH	0	13	BLACK	SMT STAGGERED	YES	10CAH	001H	—#			
101FA	0	21	BLACK	SMT STAGGERED	NONE	10FA	001	—#	NATURAL	NO.7	BOTTOM MOUNT TO PCB & LEFT PUSH ROD
101FAH	0	21	BLACK	SMT STAGGERED	YES	10FAH	001H	—#			
102CA	0	13	BLACK	SMT IN LINE	NONE	10CA	002	—#	NATURAL	NO.8	BOTTOM MOUNT TO PCB & LEFT PUSH ROD
102CAH	0	13	BLACK	SMT IN LINE	YES	10CAH	002H	—#			
120CALF	2	13	BLACK	R/A	NONE	12CA	040LF	2.5	BLACK	NO.3	TOP MOUNT TO PCB & RIGHT PUSH ROD
120CAHLF	2	13	BLACK	R/A	YES	12CAH	040HLF	2.5			
120FALF	2	21	BLACK	R/A	NONE	12FA	040LF	2.5	BLACK	NO.4	TOP MOUNT TO PCB & LEFT PUSH ROD
130CALF	3	13	BLACK	R/A	NONE	13CA	050LF	2.8			
130CAHLF	3	13	BLACK	R/A	YES	13CAH	050HLF	2.8	NATURAL	NO.5	TOP MOUNT & RIGHT PUSH ROD
140CALF	4	13	BLACK	R/A	NONE	14CA	010LF	2.8			
150CALF	5	13	BLACK	R/A	NONE	15CA	020LF	2.8	NATURAL	NO.6	TOP MOUNT & LEFT PUSH ROD
500CALF	0	13	BLACK	R/A	NONE	10CA	500LF	2.8			
500CAHLF	0	13	BLACK	R/A	YES	10CAH	500HLF	2.8	NATURAL	NO.7	TOP MOUNT & RIGHT PUSH ROD
500FALF	0	21	BLACK	R/A	NONE	10FA	500LF	2.8			
501CA	0	13	BLACK	SMT STAGGERED	NONE	10CA	501	—#	NATURAL	NO.8	TOP MOUNT & LEFT PUSH ROD
501CAH	0	13	BLACK	SMT STAGGERED	YES	10CAH	501H	—#			
502CA	0	13	BLACK	SMT IN LINE	NONE	10CA	502	—#	NATURAL	NO.9	TOP MOUNT & LEFT PUSH ROD
502CAH	0	13	BLACK	SMT IN LINE	YES	10CAH	502H	—#			
502FA	0	21	BLACK	SMT IN LINE	NONE	10FA	502	—#	NATURAL	NO.9	TOP MOUNT & LEFT PUSH ROD
520CALF	2	13	BLACK	R/A	NONE	12CA	540LF	2.5			
540CALF	4	13	BLACK	R/A	NONE	14CA	510LF	2.8	NATURAL	NO.6	TOP MOUNT & LEFT PUSH ROD
550CALF	5	13	BLACK	R/A	NONE	15CA	520LF	2.8			
600CALF	0	13	BLACK	R/A	NONE	00CA	500LF	2.8	NATURAL	NO.7	TOP MOUNT & LEFT PUSH ROD
600CAHLF	0	13	BLACK	R/A	YES	00CAH	500HLF	2.8			
601CA	0	13	BLACK	SMT STAGGERED	NONE	00CA	501	—#	NATURAL	NO.8	TOP MOUNT & LEFT PUSH ROD
601CAH	0	13	BLACK	SMT STAGGERED	YES	00CAH	501H	—#			
602CA	0	13	BLACK	SMT IN LINE	NONE	00CA	502	—#	NATURAL	NO.9	TOP MOUNT & LEFT PUSH ROD
602CAH	0	13	BLACK	SMT IN LINE	YES	00CAH	502H	—#			
620CALF	2	13	BLACK	R/A	NONE	02CA	540LF	2.5	NATURAL	NO.6	TOP MOUNT & LEFT PUSH ROD
640CALF	4	13	BLACK	R/A	NONE	04CA	510LF	2.8			
650CALF	5	13	BLACK	R/A	NONE	05CA	520LF	2.8	NATURAL	NO.7	TOP MOUNT & LEFT PUSH ROD

NOTE
1. THIS PRODUCT MEETS EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY
REGULATIONS AS DESCRIBED IN GS-22-008.

DF-003A REV F
DO NOT SCALE PRINT THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN FCI PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM FCI JAPAN K.K.

SHEET INDEX	ISSUE	SH NO.	MAT	DR. <i>M. Hasagawa</i>	DATE 4/25/05	CUSTOMER COPY	PRODUCT FAMILY SANF Header PCMCIA	CODE JP
			LINEAR	ENVR. <i>M. Hasagawa</i>	4/25/05	APPD	MM INCH	REV U

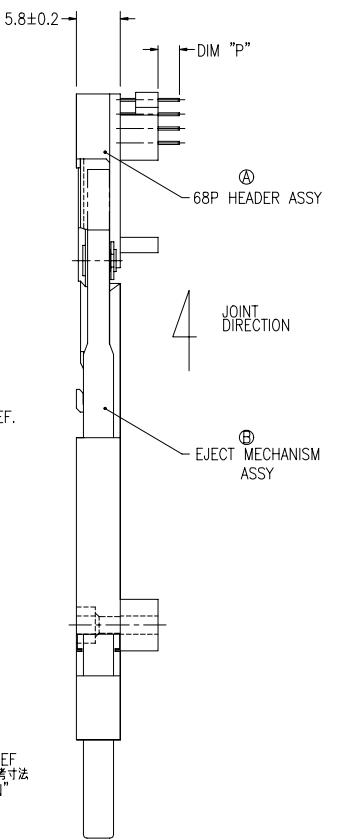
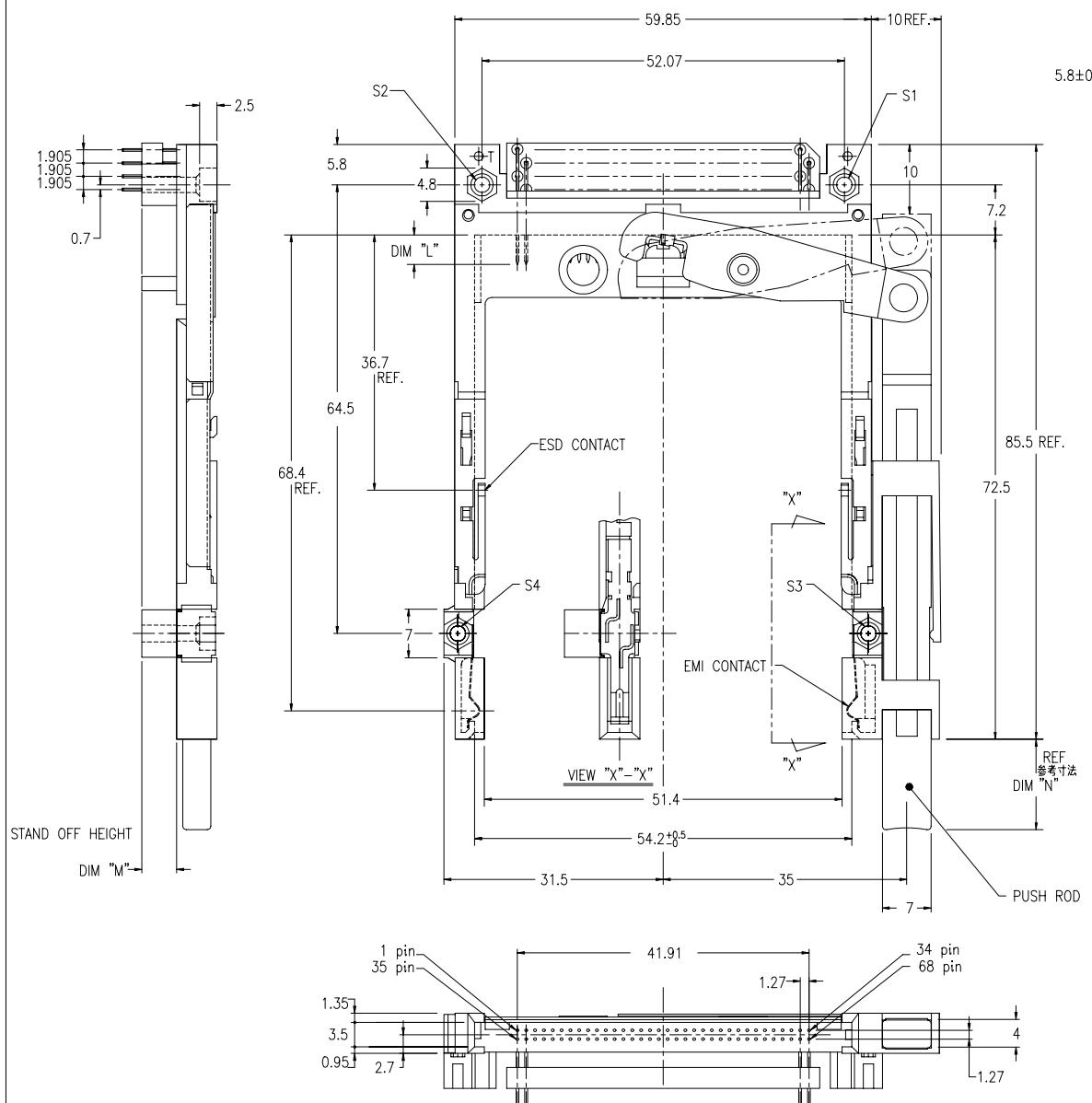
PDM: Rev:U

STATUS: Released

Printed: Aug 12, 2008

FCI

PRODUCT NO.
92193-020CA/020CALF
92193-040CA/040CALF
92193-050CA/050CALF
92193-050CAH/050CAHF



REVISONS			
REV	DESCRIPTION	ECN	BY DATE
A	RELEASED	J30022	N.T 1/19/93
B	REVISED	J40163	M.K 5/26/94
C	REVISED	V40840	M.K 7/5/94
D	REVISED	V32120	M.K 12/27/94
E	REVISED	J40349	M.K 1/9/95
F	REVISED	J50242	M.K 9/18/95
G	REVISED (ADDED-050CAH)	J70134	K.S 8/8/97
T	REVISED (ADDED -*****LF)	N05-0127	WB J05/18/05
U			

NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
2.1 TO MOUNT PART ④ ON PWB WITH SCREW (S1,S2) AND SOLDER.
2.2 TO JOIN PART ④ INTO PART ①, THEN FIX PART ④ WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

- 4.1 PART ④ (HEADER ASSY)
HOUSING : LCP UL94V-0
PIN : PHOSPHOR BRONZE
- 4.2 PART ④ (EJECT MECHANISM ASSY)
GUIDE : POLYPHTHALAMID UL94V-0 BLACK
PUSH ROD : FLAME RETARDANT UL94V-0
PLATE : STAINLESS
EMI CONTACT : PHOSPHOR BRONZE
STANDOFF : ZINC ALLOYS DIE CASTING

⑤ FINISH

- 5.1 PIN
UNDER PLATING : 0.5μm MIN. Ni
CONTACT AREA : 0.1μm MIN. Au OVER 0.5μm MIN. Pd-Ni
SOLDER TAIL : 2.5μm MIN. Sn-Pb
OR 2.5μm MIN. PURE Sn.(FOR -*****LF)

5.2 EMI CONTACT

- UNDER PLATING : 2.0μm MIN. Ni
CONTACT AREA : 0.5μm MIN. Au
5.3 STAND OFF : 3 ~5μm Ni, OVER 5 ~10μm Cu.

6. PIN NO.

PIN No.	DIM "L"		
	4.25±0.1	3.5±0.1	5.0±0.1
PIN No.	36.67	35.31 ³⁴ ₃₆	35.31 ³⁴ ₃₆
OTHERS			

7. SEE TA-946 FOR PCB LAYOUT.

8. SEE 92140 FOR DETAILED HDR DIMENSION.

9. SEE SHEET1,2 REGARDING COMPONENTS.

10. GENERAL TOLERANCE : ±0.3.

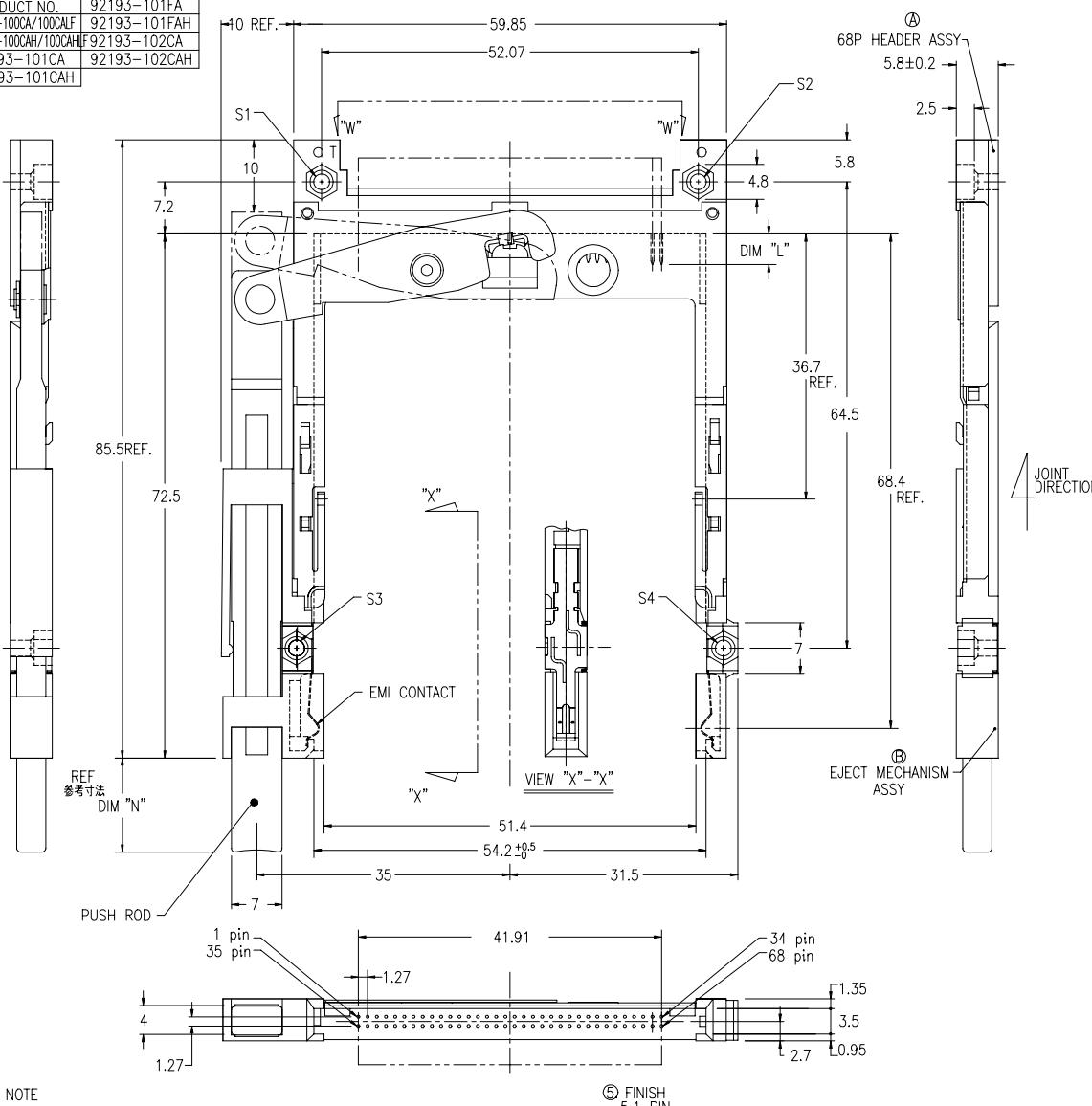
SHEET INDEX	ISSUE	SH NO.	TOLERANCES UNLESS OTHERWISE SPECIFIED	MAT SEE NOTE ④	DR <i>T. Ono</i>	DATE 8/8/97	CUSTOMER COPY	LINEAR	
								LINEAR	FINISH
				SEE NOTE ④	ENGR <i>K. Suzuki</i>	8/8/97	THIRD ANGLE PROJ		
				SEE NOTE ④	CHK		APPD	UNIT MM	SCALE 2/1

FCI

TITLE 68P EJECTOR HEADER ASSY FOR TYPE I/II/III (FOR 5.0V)

SCALE 2/1 SIZE C DWG. NO. 92193 REV U SHEET 4 OF 4

PRODUCT NO.	92193-101FA
92193-100CA/100CALF	92193-101FAH
92193-100CAH/100CAHLF	92193-102CA
92193-101CA	92193-102CAH
92193-101CAH	



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS.
 - 2.1 TO MOUNT PART \textcircled{A} ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOIN PART \textcircled{B} INTO PART \textcircled{A} ,THEN FIX PART \textcircled{B} ,WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

4.1 PART A (HEADER ASSY)
 HOUSING : LCP UL94V-0
 PIN : PHOSPHOR BRONZE
 4.2 PART B (EJECT MECHANISM ASSY)
 GUIDE : POLYPHTHALAMID UL94V-0 BLACK
 PUSH ROD : FLAME RETARDANT UL94V-0
 PLATE : STAINLESS
 EMI CONTACT : PHOSPHOR BRONZE
 4.3 OPTIONAL HOLD-DOWN : BRASS

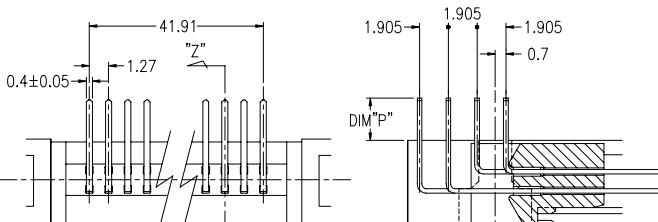
DF-003A REV C

DO NOT SCALE PRINT THIS INFORMATION IS CONFIDENTIAL AND IS DISCLOSED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN BERG PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM BERG ELECTRONICS JAPAN K.K. ANGLES

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
E	REVISED	J40198	M.K	7/19/94
F	REVISED	V32120	M.K	12/27/97
G	REVISED	J40349	M.K	1/9/95
H	REVISED	J50242	M.K	6/7/95
J	REVISED	J70134	K.S	8/8/99

PRODUCT NO.
92193-100CA/100CALF
92193-100CMU/100CMUL

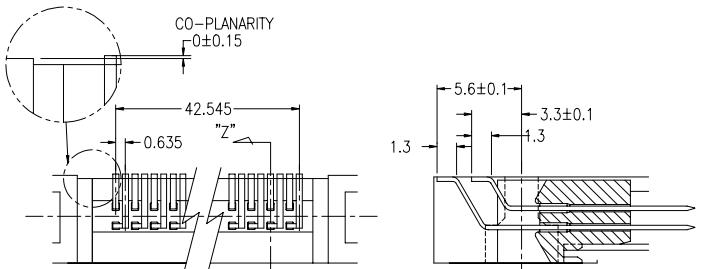
R/A



SECTION "Z"- "Z"(4/1)

PRODUCT NO.
92193-101CA
92193-101CAH
92193-101FA
92193-101FAH

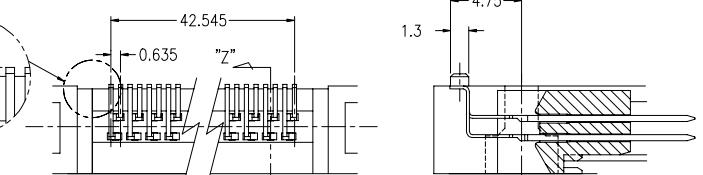
SMT STAGGERED



SECTION "7"-7(4/1)

PRODUCT NO.
92193-102CA
92193-102CAH

CO-PLANARITY
0±0.075

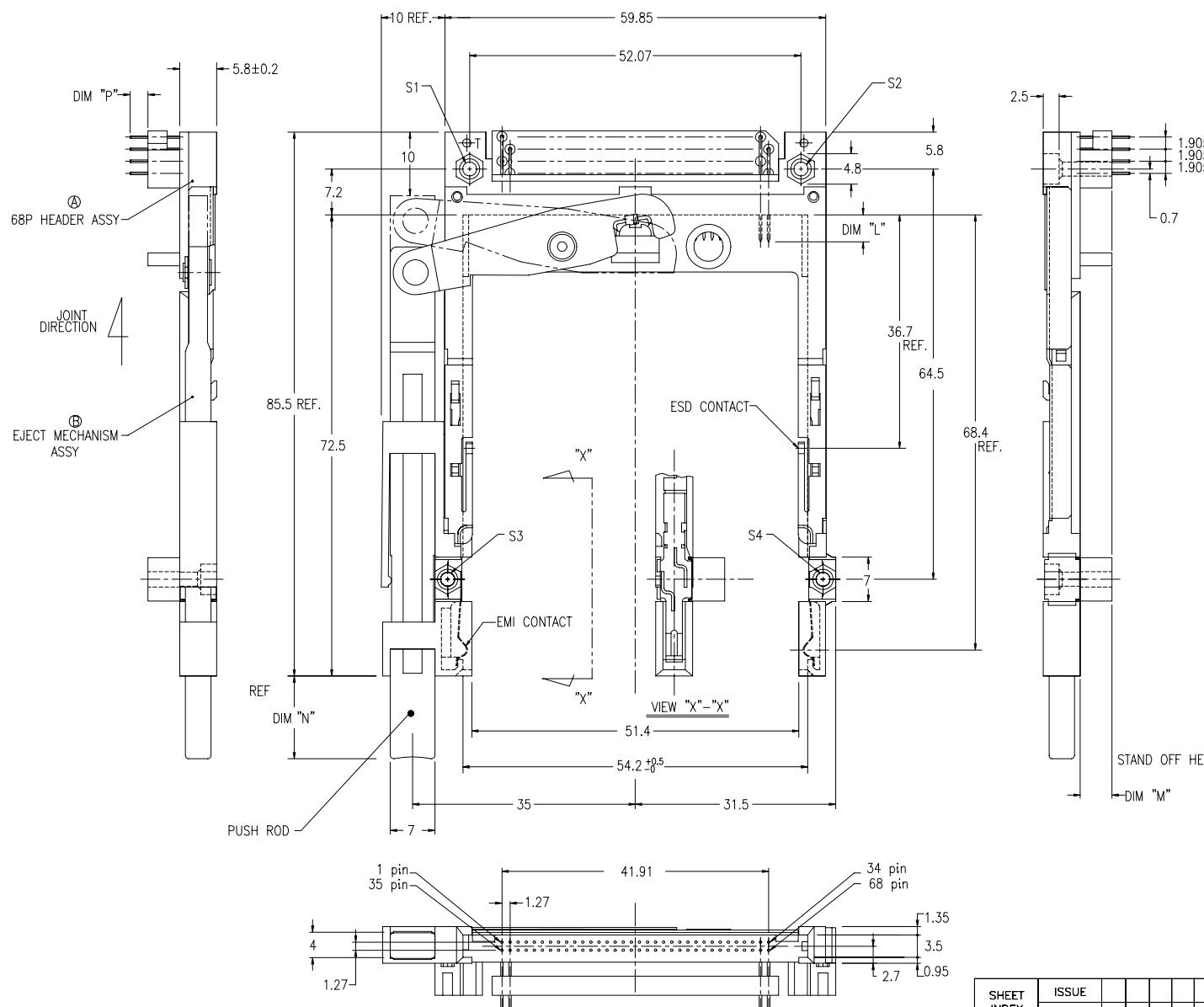


SECTION "Z"- "Z"(4/1)

SHEET INDEX	ISSUE								
	SH NO.								
TOLERANCES UNLESS OTHERWISE SPECIFIED			MAT	DR <i>T. Ono</i>	DATE 8/8/97	CUSTOMER COPY			
LINEAR	SEE NOTE ④		ENGR <i>K. Sugimura</i>	8/8/97	THIRD ANGLE PROJ.				
	FINISH		CHK						
SEE NOTE ⑤			APPD		UNIT MM				
ANGLES									
TITLE 68P EJECTOR HEADER ASSY FOR TYPE I/II/III (FOR 5.0V)									
SCALE	SIZE	DWG. NO.		REV	SHEET				
2/1	C	92193		U	5 OF				

PRODUCT NO.
92193-120CA/120CA(H)LF
92193-120FA/120FA(LF)
92193-130CA/130CALF
92193-130CAH/130CAHLF
92193-140CA/140CALF
92193-150CA/150CALF

REVISONS			
REV	DESCRIPTION	ECN	BY DATE
A	RELEASED	J30022	N.T 1/19/93
B	REVISED	J40163	M.K 5/26/94
C	REVISED	V40840	M.K 7/5/94
D	REVISED	V32120	M.K 12/27/94
E	REVISED	J40349	M.K 1/9/95
F	REVISED	J50242	M.K 9/18/95
G	REVISED(ADDED-130CA -130CAH)	J70134	K.S 8/8/97
H	REVISED	N90076	M.K 7/22/99
T	REVISED (ADDED -*****LF)	N05-0127	WB J 05/18/05
U			



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
 - 2.1 TO MOUNT PART ④ ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOIN PART ④ INTO PART ①, THEN FIX PART ④ WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

4.1 PART ④ (HEADER ASSY)

- HOUSING : LCP UL94V-0
- PIN : PHOSPHOR BRONZE

4.2 PART ④ (EJECT MECHANISM ASSY)

- GUIDE : POLYPHTHALAMID UL94V-0 BLACK
- PUSH ROD : FLAME RETARDANT UL94V-0
- PLATE : STAINLESS
- EMI CONTACT : PHOSPHOR BRONZE
- STANDOFF : ZINC ALLOYS DIE CASTING

⑤ FINISH

5.1 PIN

- UNDER PLATING : 0.5μm MIN. Ni
- CONTACT AREA : 0.1μm MIN. Au OVER 0.5μm MIN. Pd-Ni
- SOLDER TAIL : 2.5μm MIN. Sn-Pb OR 2.5μm MIN. PURE Sn.(FOR -*****LF)

5.2 EMI CONTACT

- UNDER PLATING : 2.0μm MIN. Ni
- CONTACT AREA : 0.5μm MIN. Au

5.3 STAND OFF : 3 ~5μm Ni, OVER 5 ~10μm Cu.

6. PIN NO.

	DIM "L"		
PIN No.	4.25±0.1	3.5±0.1	5.0±0.1
OTHERS	36.67	1.17,34	35.51,68

7. SEE TA-946 FOR PCB LAYOUT.

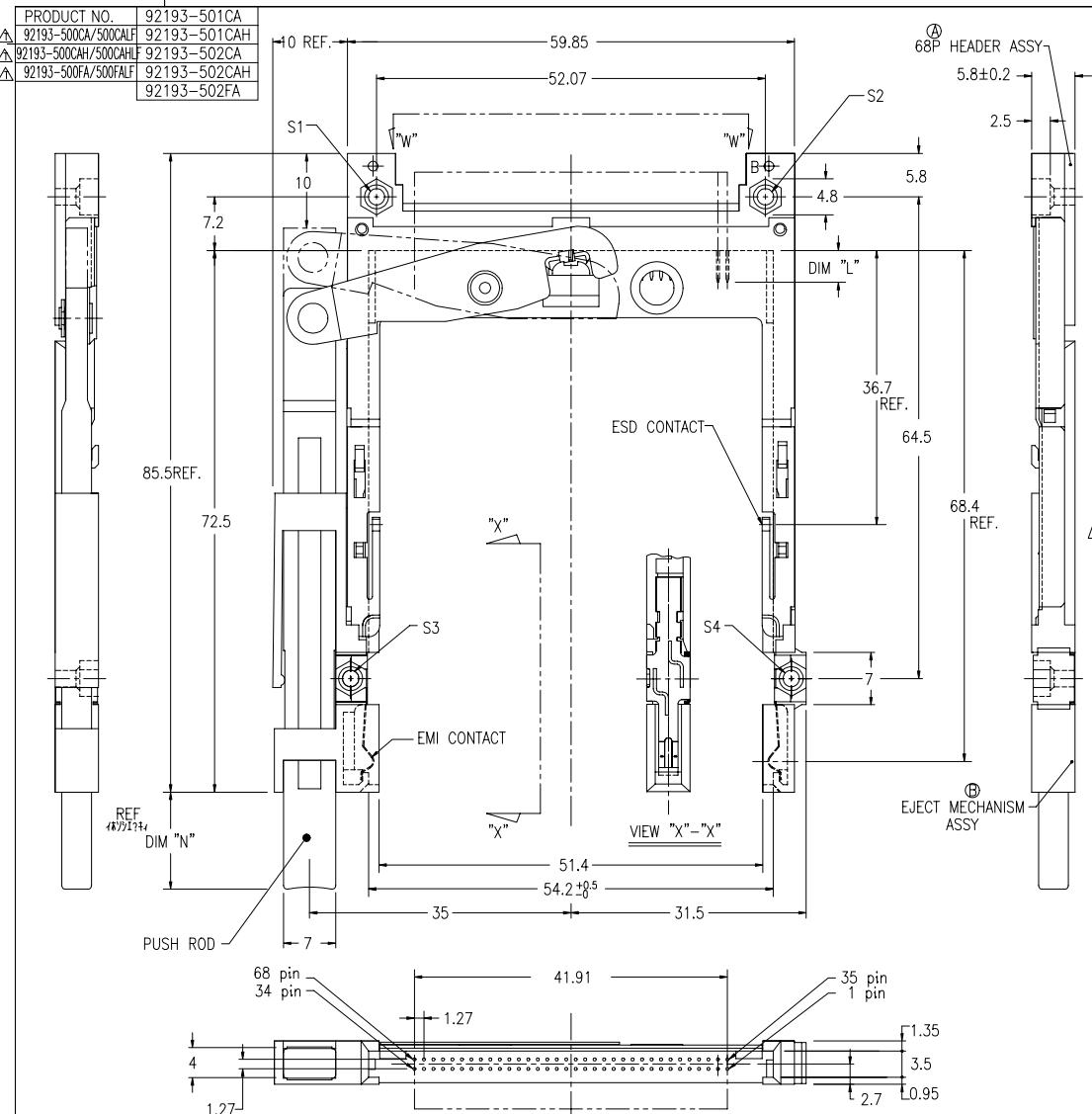
8. SEE 92140 FOR DETAILED HDR DIMENSION.

9. SEE SHEET1,2 REGARDING COMPONENTS.

10. GENERAL TOLERANCE : ±0.3.

SHEET INDEX	ISSUE	SH NO.	MAT	DR	DATE	CUSTOMER	TITLE	
							SEE NOTE ④	SEE NOTE ④
LINEAR				M. Hasegawa	7/22/99		SEE NOTE ④	SEE NOTE ④
				M. Kojimura	7/22/99		SEE NOTE ④	SEE NOTE ④
				CHK			SEE NOTE ④	SEE NOTE ④
				APPD			SEE NOTE ④	SEE NOTE ④
							UNIT MM	UNIT INCH
							SCALE 2/1	SCALE 2/1
							SIZE C	SIZE C
							DWG. NO. 92193	DWG. NO. 92193
							REV U	REV U
							STATUS: Released	STATUS: Released
							Printed: Aug 12, 2008	

FCI



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
 - 2.1 TO MOUNT PART A, ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOINT PART B, INTO PART A, THEN FIX PART B, WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

- 4.1 PART A (HEADER ASSY)

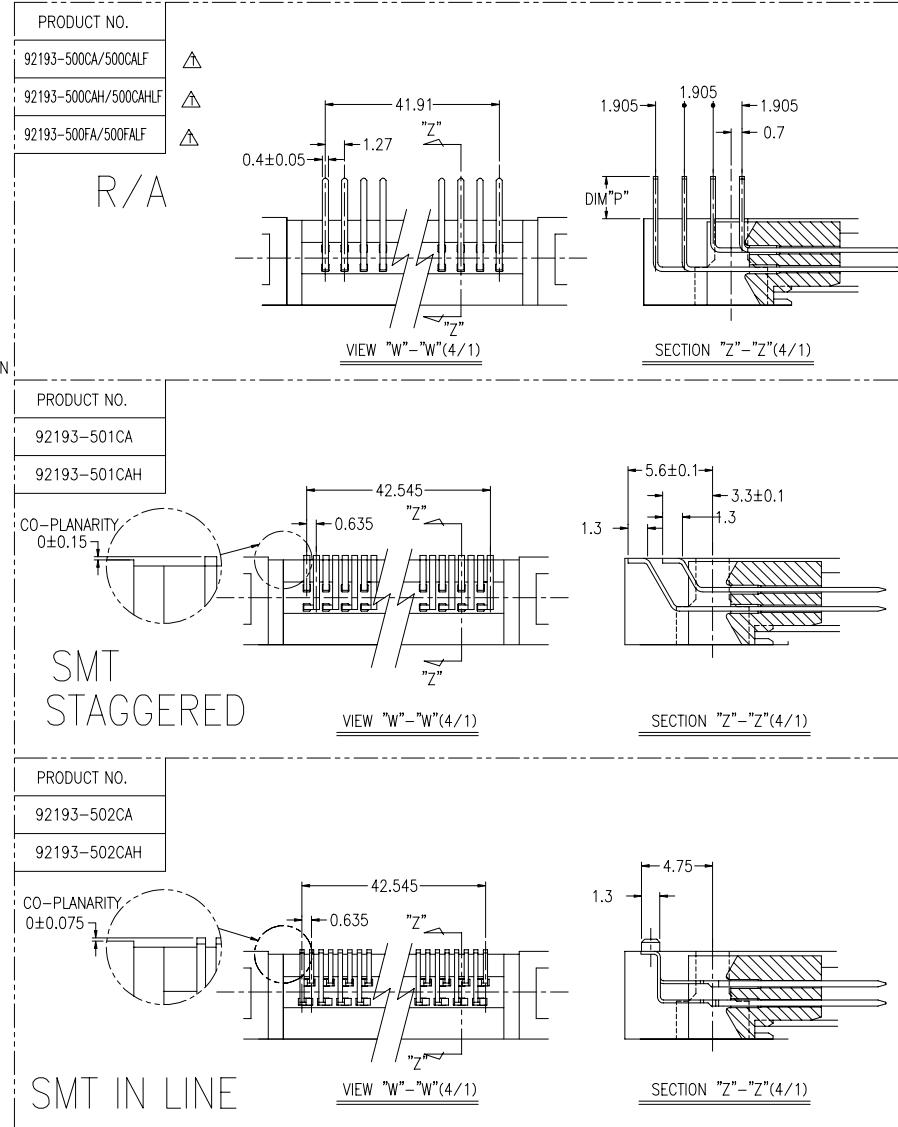
HOUSING	: LCP UL94V-0
PIN	: PHOSPHOR BRONZE
- 4.2 PART B (EJECT MECHANISM ASSY)

GUIDE	: POLYPHTHARAMID UL94V-0 BLACK
PUSH ROD	: FLAME RETARDANT UL94V-0
PLATE	: STAINLESS
EMI CONTACT	: PHOSPHOR BRONZE
- 4.3 OPTIONAL HOLD-DOWN : BRASS

DF-003A REV C

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K	REVISED	V91595	M.K	11/11/99	REVISIONS
T	REVISED (ADDED -*****LF)	N05-0127	WB	J05/18/05	
REV	DESCRIPTION	ECN	BY	DATE	
U					
D	REVISED	V40840	M.K	7/5/94	
E	REVISED	V32120	M.K	12/27/94	
F	REVISED	J40349	M.K	1/9/95	
G	REVISED	J50242	M.K	9/18/95	
H	REVISED	V60956	M.K	7/29/96	
J	REVISED	J70134	K.S	8/8/97	



SHEET INDEX	ISSUE	SH NO.	TOLERANCES UNLESS OTHERWISE SPECIFIED		DR	DATE	CUSTOMER COPY	THIRD ANGLE PRO	TITLE	SCALE	SIZE	DWG. NO.	REV	SHEET
			MAT	ANGLES										
LINEAR			SEE NOTE ④		J. Ono	11/11/99			68P EJECTOR HEADER ASSY					
			FINISH		M. Kojimura	11/11/99	CHK		FOR TYPE I / II / III (FOR 5.0V)					

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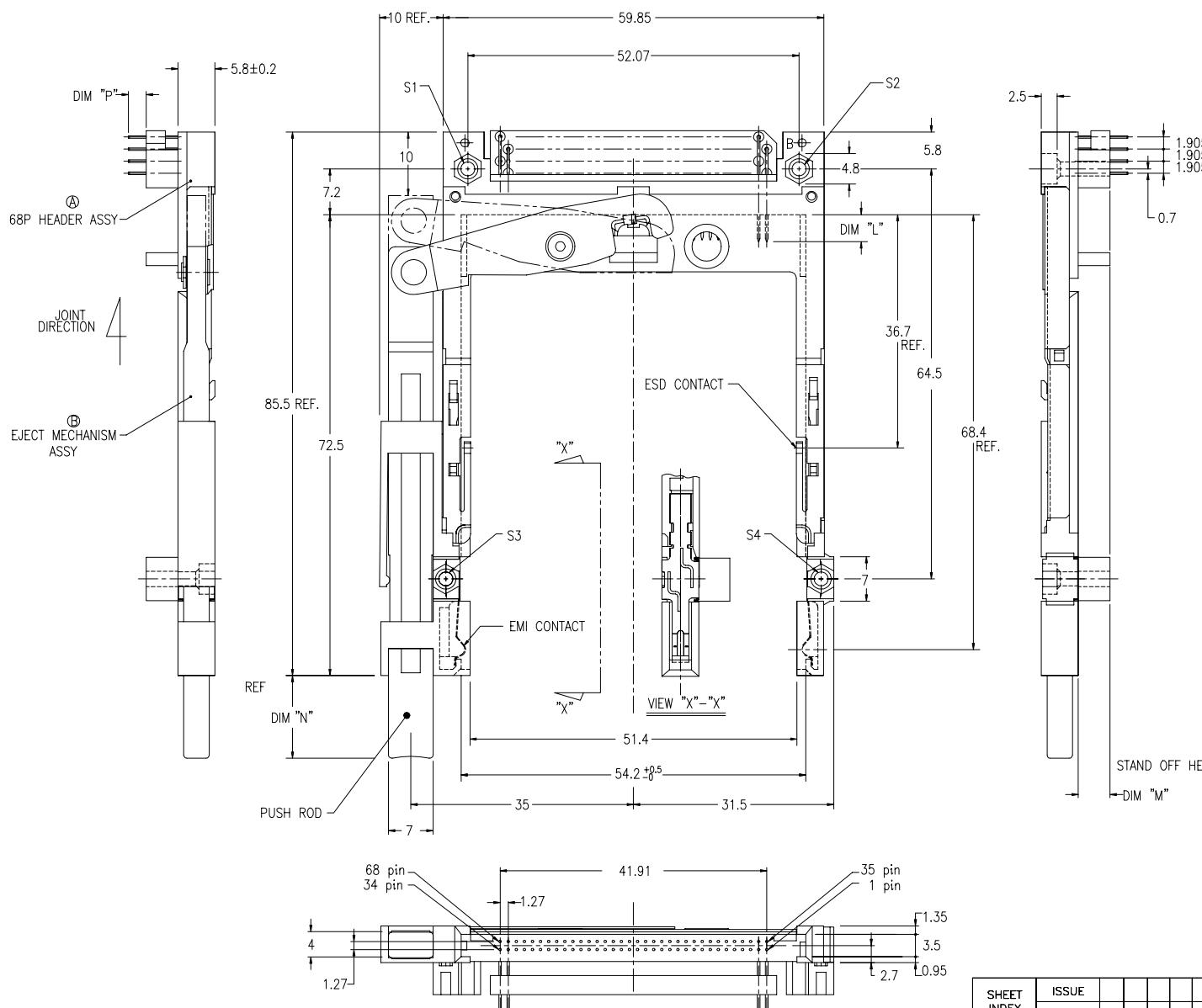
PDM: Rev:U

STATUS: Released

Printed: Aug 12, 2008

PRODUCT NO.
92193-520CA/520CALF
92193-540CA/540CALF
92193-550CA/550CALF

REVISIONS				
REV	DESCRIPTION	ECN	BY	DATE
A	RELEASED	J30022	N.T	1/19/93
B	REVISED	J30128	M.N	4/27/93
C	REVISED	J40163	M.K	5/26/94
D	REVISED	V40840	M.K	7/5/94
E	REVISED	V32120	M.K	12/27/94
F	REVISED	J40349	M.K	1/9/94
G	REVISED	J50242	M.K	9/18/95
T	REVISED (ADDED -*****LF)	N05-0127	WB	05/18/05
U				



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
 - 2.1 TO MOUNT PART ④ ,ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOINT PART ⑤ ,INTO PART ④ ,THEN FIX PART ⑤ ,WITH 2 SCREWS (S3,S4)
3. EJECT TRAVEL 8.0mm

④ MATERIAL

4.1 PART @,(HEADER ASSY)
 HOUSING : LCP UL94V-0
 PIN : PHOSPHOR BRONZE
 4.2 PART ®,(EJECT MECHANISM ASSY)
 GUIDE : POLYPHTHARAMID UL94V-0 BLA
 PUSH ROD : FLAME RETARDANT UL94V-0
 PLATE : STAINLESS
 EMI CONTACT : PHOSPHOR BRONZE
 STANDOFF : ZINC ALLOYS DIE CASTING

⑤ FINISH

5.1 PIN
UNDER PLATING : 0.5µm MIN. Ni
CONTACT AREA : 0.1µm MIN. Au OVER 0.5µm MIN. Pd-Ni
SOLDER TAIL : 2.5µm MIN. Sn-Pb
OR 2.5µm MIN. PURE Sn (FOR -*****!E)

5.2 EMI CONTACT

5.3 STAND OFF : 3 ~ 5 μ m Ni OVER 5 ~ 10 μ m Cu

6 PIN NO

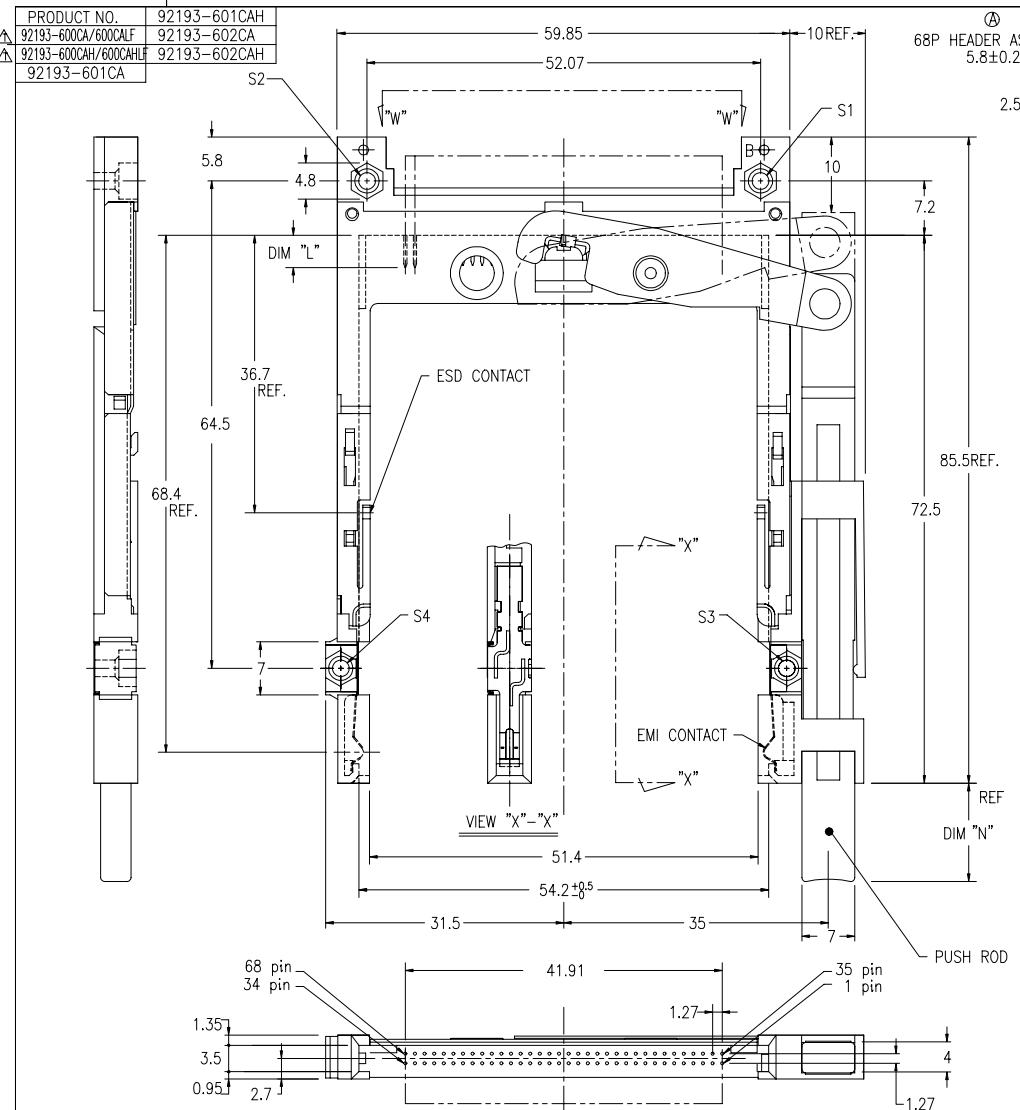
PIN No	DIM "L"		
	4.25±0.1	3.5±0.1	5.0±0.1
1	OTHERS	36.67	1.17.34
2			22

STAND OFF HEIGHT 7. SEE TA-946 FOR PCB LAYOUT.
-DIM "M" 8. SEE 92140 FOR DETAILED HDR DIMENSION.
9. SEE SHEET1,2 REGARDING COMPONENTS.
10. GENERAL TOLERANCE : +0.3

SHEET INDEX	ISSUE													
	SH NO.													
TOLERANCES UNLESS OTHERWISE SPECIFIED			MAT	DR	<i>J. Omaha</i>	DATE	9/16/95	CUSTOMER COPY						
LINEAR	SEE NOTE ④		ENGR	<i>M. Kojima</i>		9/18/95	THIRD ANGLE PROJ							
	FINISH		CHK				UNIT MM		SCALE	SIZE	DWG. NO.	REV	SHEET	
ANGLES	SEE NOTE ⑤		APPD				INCHES		2/1	C	92193	U	8 OF	

FCI

TITLE 68P EJECTOR HEADER ASSY
FOR TYPE I / II / III (FOR 5.0V)



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
 - 2.1 TO MOUNT PART **A** ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOIN PART **B** INTO PART **A**, THEN FIX PART **B** WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

4.1 PART **A** (HEADER ASSY)

HOUSING	: LCP UL94V-0
PIN	: PHOSPHOR BRONZE

4.2 PART **B** (EJECT MECHANISM ASSY)

GUIDE	: POLYPHTHALAMID UL94V-0 BLACK
PUSH ROD	: FLAME RETARDANT UL94V-0
PLATE	: STAINLESS
EMI CONTACT	: PHOSPHOR BRONZE

4.3 OPTIONAL HOLD-DOWN : BRASS

⑤ FINISH

5.1 PIN

UNDER PLATING : 0.5µm MIN. Ni
 CONTACT AREA : 0.1µm MIN. Au OVER 0.5µm MIN. Pd-Ni
 SOLDER TAIL : 2.5µm MIN. Sn-Pb
 OR 2.5µm MIN. PURE Sn.(FOR -*****LF)

5.2 EMI CONTACT

UNDER PLATING : 2.0µm MIN. Ni
 CONTACT AREA : 0.5µm MIN. Au

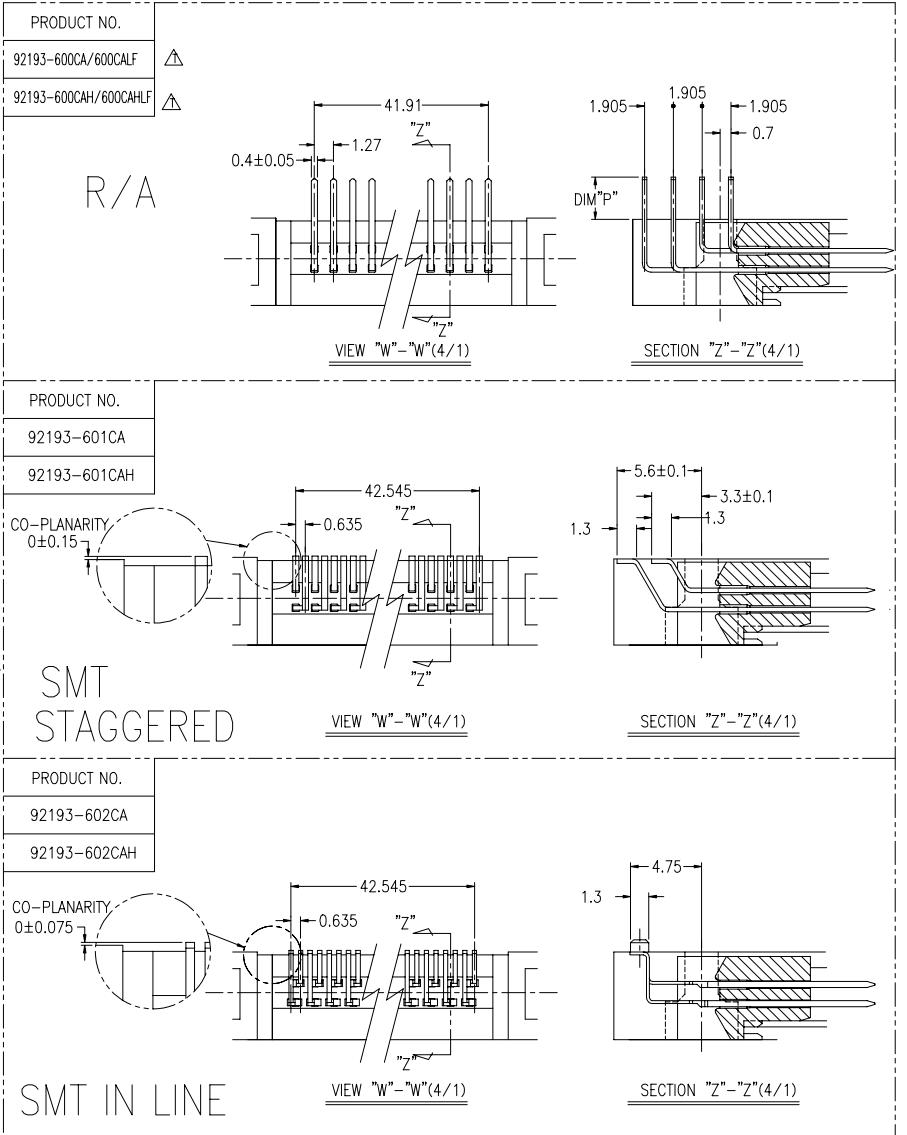
5.3 OPTIONAL HOLD-DOWN : 2.5µm MIN. PURE Sn

6. PIN NO.

PIN No.	DIM. "L"		
	4.25±0.1	3.5±0.1	5.0±0.1
OTHERS	36.67	117.34	35.8168

7. SEE TA-946 FOR PCB LAYOUT.
 8. SEE 92140 FOR DETAILED HDR DIMENSION.
 9. SEE SHEET1,2 REGARDING COMPONENTS.
 10. GENERAL TOLERANCE : ±0.3

T REVISED (ADDED -*****LF)		N05-0127	WB	J 05/18/05	REVISIONS	
REV	DESCRIPTION	ECN	BY	DATE		
D	REVISED	V40840	M.K	7/5/94		
E	REVISED	V32120	M.K	12/27/94		
F	REVISED	J40349	M.K	1/9/95		
G	REVISED	J50242	M.K	9/18/95		
H	REVISED	J70134	K.S	8/8/97		

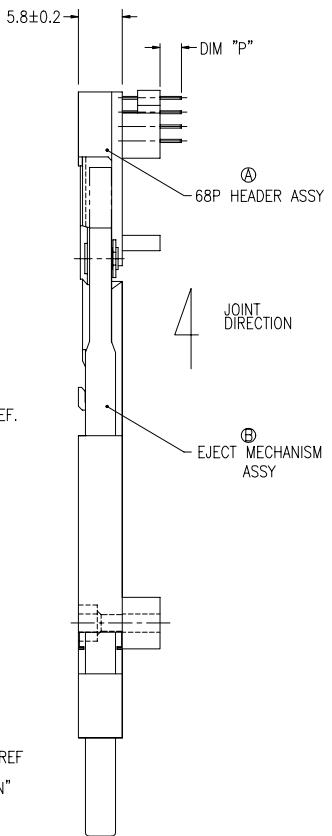
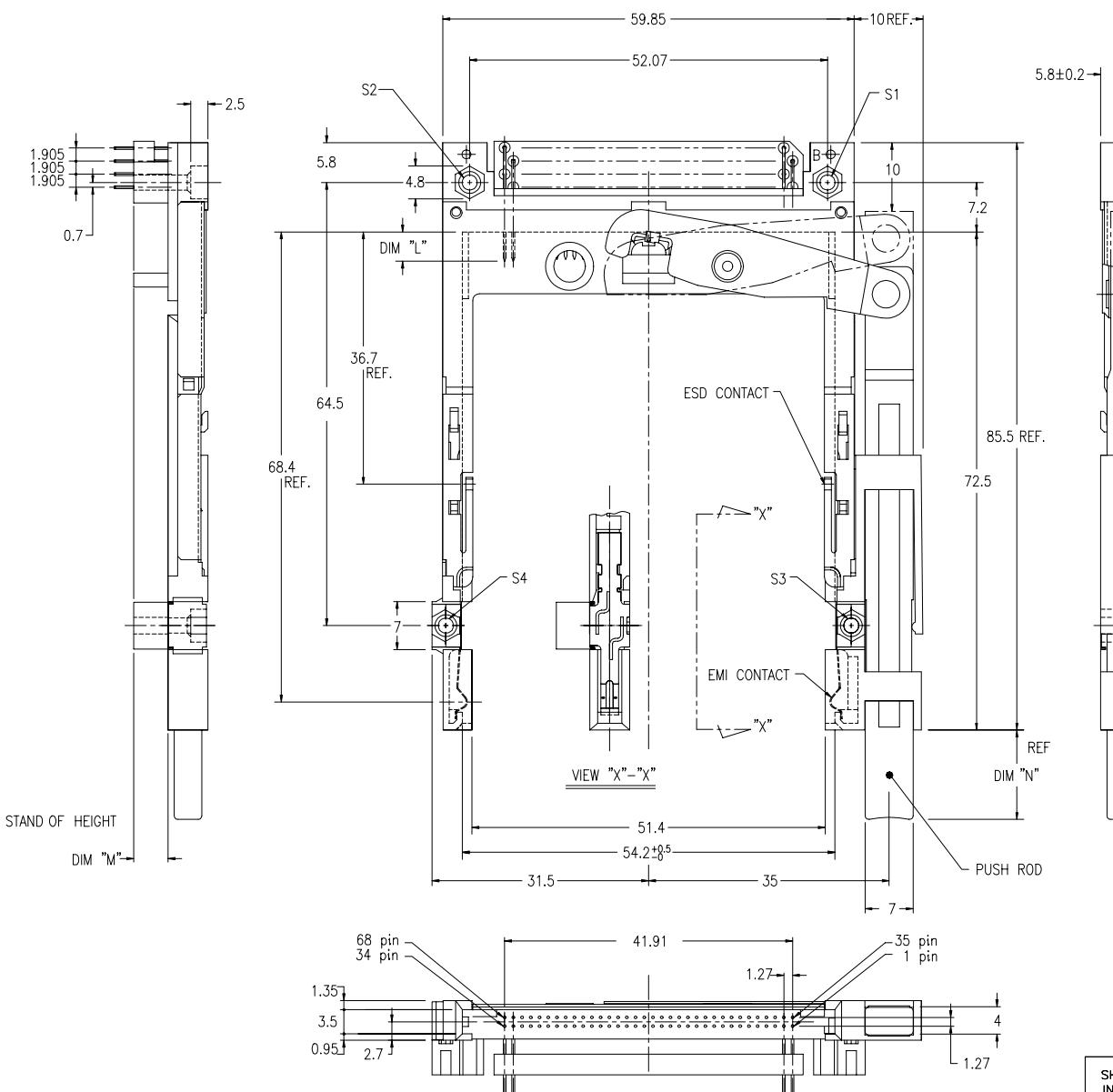


SHEET INDEX	ISSUE			DR	DATE	CUSTOMER COPY	THIRD ANGLE PROJ.	TITLE
		SH NO.						
LINEAR			TOLERANCES UNLESS OTHERWISE SPECIFIED	J. Ono	8/8/97			68P EJECTOR HEADER ASSY FOR TYPE I/II/III (FOR 5.0V)
			FINISH	K. Suzuki	8/8/97	APPD	MM INCH	SCALE 2/1 SIZE C DWG. NO. 92193 REV U SHEET 9 OF 9

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PRODUCT NO.
 ▲ 92193-620CA/620CALF
 ▲ 92193-640CA/640CALF
 ▲ 92193-650CA/650CALF

REVISONS			
REV	DESCRIPTION	ECN	BY DATE
A	RELEASED	J30022	N.T 1/19/93
B	REVISED	J40163	M.K 5/26/94
C	REVISED	V40840	M.K 7/5/94
D	REVISED	V32120	M.K 12/27/94
E	REVISED	J40349	M.K 1/6/95
F	REVISED	J50242	M.K 9/18/95
T	REVISED (ADDED -*****LF)	N05-0127	WB J 05/18/05
U			



NOTE

1. EJECT FORCE 3.5Kg MAX.
2. ASSY PROCESS
 - 2.1 TO MOUNT PART ④ ON PWB WITH SCREW (S1,S2) AND SOLDER.
 - 2.2 TO JOIN PART ④ INTO PART ①, THEN FIX PART ④ WITH 2 SCREWS (S3,S4).
3. EJECT TRAVEL 8.0mm

④ MATERIAL

4.1 PART ④ (HEADER ASSY)
 HOUSING : LCP UL94V-0
 PIN : PHOSPHOR BRONZE

4.2 PART ④ (EJECT MECHANISM ASSY)
 GUIDE : POLYPHTHALAMID UL94V-0 BLACK
 PUSH ROD : FLAME RETARDANT UL94V-0
 PLATE : STAINLESS
 EMI CONTACT : PHOSPHOR BRONZE
 STANOFF : ZINC ALLOYS DIE CASTING

⑤ FINISH

5.1 PIN
 UNDER PLATING : 0.5μm MIN. Ni
 CONTACT AREA : 0.1μm MIN. Au OVER 0.5μm MIN. Pd-Ni
 SOLDER TAIL : 2.5μm MIN. Sn-Pb
 OR 2.5μm MIN. PURE Sn.(FOR -*****LF)

5.2 EMI CONTACT
 UNDER PLATING : 2.0μm MIN. Ni
 CONTACT AREA : 0.5μm MIN. Au

5.3 STAND OFF : 3 ~5μm Ni, OVER 5 ~10μm Cu.

6. PIN NO.

	DIM "L"		
PIN No.	4.25±0.1	3.5±0.1	5.0±0.1
OTHERS	36.67	1.17,34	35.51,68

7. SEE TA-946 FOR PCB LAYOUT.
 8. SEE 92140 FOR DETAILED HDR DIMENSION.
 9. SEE SHEET1,2 REGARDING COMPONENTS.
 10. GENERAL TOLERANCE : ±0.3

SHEET INDEX	ISSUE	SH NO.	TOLERANCES UNLESS OTHERWISE SPECIFIED	MAT SEE NOTE ④	DR <i>J. Omae</i>	DATE 9/18/95	CUSTOMER COPY	LINEAR	
								SEE NOTE ④	DR <i>J. Omae</i>
				SEE NOTE ④	ENGR <i>M. Kojimura</i>	DATE 9/18/95	COPY		
				FINISH	CHK			SEE NOTE ④	DR <i>J. Omae</i>
				SEE NOTE ④	APPD			SEE NOTE ④	DR <i>J. Omae</i>

FCI

TITLE 68P EJECTOR HEADER ASSY FOR TYPE I / II / III (FOR 5.0V)

SCALE 2/1 SIZE C DWG. NO. 92193 REV U SHEET 10 of 10