

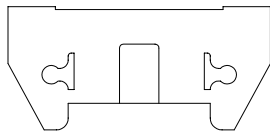


PLATING		NOTE 6
1	30u"/.76u Au OVER 50u "/1.27u Ni	NOTE 14
2	30u"/.76u GXT/GOLD FLASH	NOTE 14
4	30u"/.76u GXT DUPLEX	
4LF	30u"/.76u GXT & 100u"/2.54u Sn DUPLEX	
5	30u"/.76u GOLD DUPLEX	
5LF	30u"/.76u GOLD & 100u"/2.54u Sn DUPLEX	

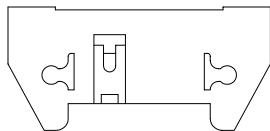
NOTE 14  
NOTE 14

NOTES:

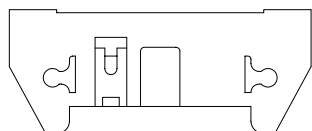
1. BODY MATERIAL; 30% GLASS FILLED POLYESTER FLAME RETARDANT PER UL 94-V0 COLOR-BLUE.  
-1XX TO -6XX BLUE PBT  
-7XX TO -9XX GREY PBT
2. UNLESS OTHERWISE SPECIFIED, 1° MAX DRAFT PERMISSIBLE ON ALL SURFACES.
- ③ DIM B BASIC DIM SHALL BE LOCATED SYMMETRICAL TO DATUM -Y-.
4. TRIANGLE, LOGO, & PART NO. AND THEIR LOCATIONS OPTIONAL.
- ⑤ PIN MATERIAL; 3/4 HD. PHOSPHOR BRONZE ALLOY UNS-C51000.
- ⑥ TWO NON-CRITICAL SIDES OF TIPS NOT PLATED. TYP BOTH ENDS.
7. RECOMMENDED MOUNTING SCREW - #2-56 FILLISTER HEAD MACHINE SCREW .25/6.35 LONG FOR .063/1.58 & .094/2.38 BOARDS, .313/7.93 LONG FOR .125/3.18 BOARDS.
8. 3 LBS/1.36 KG PIN RETENTION IN BOTH DIRECTIONS.
9. LOW PROFILE LATCHES TO BE USED WITH FEMALE CONNECTOR WITHOUT STRAIN RELIEF STANDARD LATCHES TO BE USED WITH FEMALE CONNECTORS WITH STRAIN RELIEF.
- ⑩ ADD AN "A" AFTER THE 8 DIGIT PART NUMBER FOR CUSTOMER SPECIAL.
11. RECOMMENDED PLATED-THRU-HOLE DIMENSIONS ARE:  
DRILLED HOLE: .0453/1.151±.0010/.025 DIA  
COPPER PLATING THICKNESS .001/.025 TO .003/.076  
SOLDER PLATING THICKNESS: .0003/.076 TO .0007/.0178  
OVERALL HOLE SIZE: .040/1.016±.003/.076 DIA
- ⑫ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- ⑬ THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑭ PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.
15. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.



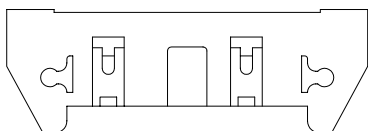
2x5  
STYLE A



2x5  
STYLE B



2x7  
STYLE C



2 X 8 & LARGER  
STYLE D

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	scale 1:1	
						dr	M. CLOUSER	3/01/90	dwg no
						enr	M. SMYK	3/01/90	sheet 2 of 13
						chr	M. SMYK	3/01/90	size A3
						appd	M. SMYK	3/01/90	type Product Customer Drawing
sheet index	revision sheet								

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-001	2 X 5	A	NONE	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94	.160/4.06	1	1	NOTE 12
-002								.160/4.06	2	2	
-003								.610/15.49	1	1	
-004								.610/15.49	2	2	
-005								.733/18.62	1	1	
-006			NONE					.733/18.62	2	2	
-007			STD.					.160/4.06	1	1	
-008								.160/4.06	2	2	
-009								.610/15.49	1	1	
-010								.610/15.49	2	2	
-011								.733/18.62	1	1	
-012			STD.					.733/18.62	2	2	
-013			LOW PROFILE					.160/4.06	1	1	
-014								.160/4.06	2	2	
-015								.610/15.49	1	1	
-016								.610/15.49	2	2	
-017								.733/18.62	1	1	
-018		A	LOW PROFILE					.733/18.62	2	2	
-019		B	NONE					.160/4.06	1	1	
-020								.160/4.06	2	2	
-021								.610/15.49	1	1	
-022								.610/15.49	2	2	
-023								.733/18.62	1	1	
-024			NONE					.733/18.62	2	2	
-025			STD.					.160/4.06	1	1	
-026								.160/4.06	2	2	
-027								.610/15.49	1	1	
-028								.610/15.49	2	2	
-029								.733/18.62	1	1	
-030			STD.					.733/18.62	2	2	
-031			LOW PROFILE					.160/4.06	1	1	
-032								.160/4.06	2	2	
-033								.610/15.49	1	1	
-034								.610/15.49	2	2	
-035								.733/18.62	1	1	
68710-036	2 X 5	B	LOW PROFILE	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94	.733/18.62	2	2	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	INCH/MM	
						dr	M. CLOUSER	3/01/90	scale 1:1
						enr	M. SMYK	3/01/90	FCI
						chr	M. SMYK	3/01/90	dwg no 68710 sheet 3 of 13 size A3
						appd	M. SMYK	3/01/90	type Product Customer Drawing
sheet index	revision sheet								

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING SEE SHT. 2	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-037	2 X 7	C	NONE	1.46/37.08	.600/15.24	.920/23.37	1.300/33.02	.160/4.06	1	1	NOTE 12
-038								.160/4.06	2	2	
-039								.610/15.49	1	1	
-040								.610/15.49	2	2	
-041								.733/18.62	1	1	
-042			NONE					.733/18.62	2	2	
-043			STD.					.160/4.06	1	1	
-044								.160/4.06	2	2	
-045								.610/15.49	1	1	
-046								.610/15.49	2	2	
-047								.733/18.62	1	1	
-048			STD.					.733/18.62	2	2	
-049			LOW PROFILE					.160/4.06	1	1	
-050								.160/4.06	2	2	
-051								.610/15.49	1	1	
-052								.610/15.49	2	2	
-053								.733/18.62	1	1	
-054	2 X 7	C	LOW PROFILE	1.46/37.08	.600/15.24	.920/23.37	1.300/33.02	.733/18.62	2	2	
-055	2 X 8	D	NONE	1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56	.160/4.06	1	1	
-056								.160/4.06	2	2	
-057								.610/15.49	1	1	
-058								.610/15.49	2	2	
-059								.733/18.62	1	1	
-060			NONE					.733/18.62	2	2	
-061			STD.					.160/4.06	1	1	
-062								.160/4.06	2	2	
-063								.610/15.49	1	1	
-064								.610/15.49	2	2	
-065								.733/18.62	1	1	
-066			STD.					.733/18.62	2	2	
-067			LOW PROFILE					.160/4.06	1	1	
-068								.160/4.06	2	2	
-069								.610/15.49	1	1	
-070								.610/15.49	2	2	
-071								.733/18.62	1	1	
68710-072	2 X 8	D	LOW PROFILE	1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56	.733/18.62	2	2	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr		ecn no		date		tolerances unless otherwise specified		title	
AG						.XX±.01/.3		P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						linear .XXX±.005/.13		INCH/MM	
						.0±2"		scale 1:1	
						dr M. CLOUSER 3/01/90		dwg no sheet 4 of 13 size	
						enr M. SMYK 3/01/90		68710 A3	
						chr M. SMYK 3/01/90		type Product Customer Drawing	
						appd M. SMYK 3/01/90			
sheet index		revision sheet							

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-073	2 X 10	D	NONE	1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64	.160/4.06	1	1	NOTE 12
-074								.160/4.06	2	2	
-075								.610/15.49	1	1	
-076								.610/15.49	2	2	
-077								.733/18.62	1	1	
-078			NONE					.733/18.62	2	2	
-079			STD.					.160/4.06	1	1	
-080								.160/4.06	2	2	
-081								.610/15.49	1	1	
-082								.610/15.49	2	2	
-083								.733/18.62	1	1	
-084			STD.					.733/18.62	2	2	
-085			LOW PROFILE					.160/4.06	1	1	
-086								.160/4.06	2	2	
-087								.610/15.49	1	1	
-088								.610/15.49	2	2	
-089								.733/18.62	1	1	
-090	2 X 10	D	LOW PROFILE	1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64	.733/18.62	2	2	
-091	2 X 12	D	NONE	1.96/49.78	1.100/27.94	1.420/36.07	1.800/45.72	.160/4.06	1	1	
-092								.160/4.06	2	2	
-093								.610/15.49	1	1	
-094								.610/15.49	2	2	
-095								.733/18.62	1	1	
-096			NONE					.733/18.62	2	2	
-097			STD.					.160/4.06	1	1	
-098								.160/4.06	2	2	
-099								.610/15.49	1	1	
-100								.610/15.49	2	2	
-101								.733/18.62	1	1	
-102			STD.					.733/18.62	2	2	
-103			LOW PROFILE					.160/4.06	1	1	
-104								.160/4.06	2	2	
-105								.610/15.49	1	1	
-106								.610/15.49	2	2	
-107								.733/18.62	1	1	
68710-108	2 X 12	D	LOW PROFILE	1.96/49.78	1.100/27.94	1.420/36.07	1.800/45.72	.733/18.62	2	2	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/> / tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
AG					angles	.XX±.01/.3	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL
					linear	.XXX±.005/.13	
					0°±2'	.XXXX±.0020/.051	INCH/MM
					dr	M. CLOUSER 3/01/90	scale 1:1
					enr	M. SMYK 3/01/90	
					chr	M. SMYK 3/01/90	
					appd	M. SMYK 3/01/90	
sheet index	revision sheet						dwg no 68710 sheet 5 of 13 size A3 type Product Customer Drawing

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-109	2 X 13	D	NONE	2.06/52.32	1.200/30.48	1.520/38.61	1.900/48.26	.160/4.06	1	1	NOTE 12
-110								.160/4.06	2	2	
-111								.610/15.49	1	1	
-112								.610/15.49	2	2	
-113								.733/18.62	1	1	
-114			NONE					.733/18.62	2	2	
-115			STD.					.160/4.06	1	1	
-116								.160/4.06	2	2	
-117								.610/15.49	1	1	
-118								.610/15.49	2	2	
-119								.733/18.62	1	1	
-120			STD.					.733/18.62	2	2	
-121			LOW PROFILE					.160/4.06	1	1	
-122								.160/4.06	2	2	
-123								.610/15.49	1	1	
-124								.610/15.49	2	2	
-125								.733/18.62	1	1	
-126	2 X 13	D	LOW PROFILE	2.06/52.32	1.200/30.48	1.520/38.61	1.900/48.26	.733/18.62	2	2	
-127	2 X 15	D	NONE	2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34	.160/4.06	1	1	
-128								.160/4.06	2	2	
-129								.610/15.49	1	1	
-130								.610/15.49	2	2	
-131								.733/18.62	1	1	
-132			NONE					.733/18.62	2	2	
-133			STD.					.160/4.06	1	1	
-134								.160/4.06	2	2	
-135								.610/15.49	1	1	
-136								.610/15.49	2	2	
-137								.733/18.62	1	1	
-138			STD.					.733/18.62	2	2	
-139			LOW PROFILE					.160/4.06	1	1	
-140								.160/4.06	2	2	
-141								.610/15.49	1	1	
-142								.610/15.49	2	2	
-143								.733/18.62	1	1	
68710-144	2 X 15	D	LOW PROFILE	2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34	.733/18.62	2	2	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	.XX±.01/.3 INCH/MM	
						0°±2'		.XXX±.005/.13 scale 1:1	
						dr	M. CLOUSER	3/01/90	
						enr	M. SMYK	3/01/90	
						chr	M. SMYK	3/01/90	
						appd	M. SMYK	3/01/90	
sheet index		revision sheet						sheet 6 of 13 size A3	
								type Product Customer Drawing	

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-145	2 X 17	D	NONE	2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42	.160/4.06	1	1	NOTE 12
-146								.160/4.06	2	2	
-147								.610/15.49	1	1	
-148								.610/15.49	2	2	
-149								.733/18.62	1	1	
-150			NONE					.733/18.62	2	2	
-151			STD.					.160/4.06	1	1	
-152								.160/4.06	2	2	
-153								.610/15.49	1	1	
-154								.610/15.49	2	2	
-155								.733/18.62	1	1	
-156			STD.					.733/18.62	2	2	
-157			LOW PROFILE					.160/4.06	1	1	
-158								.160/4.06	2	2	
-159								.610/15.49	1	1	
-160								.610/15.49	2	2	
-161								.733/18.62	1	1	
-162	2 X 17	D	LOW PROFILE	2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42	.733/18.62	2	2	
-163	2 X 20	D	NONE	2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04	.160/4.06	1	1	
-164								.160/4.06	2	2	
-165								.610/15.49	1	1	
-166								.610/15.49	2	2	
-167								.733/18.62	1	1	
-168			NONE					.733/18.62	2	2	
-169			STD.					.160/4.06	1	1	
-170								.160/4.06	2	2	
-171								.610/15.49	1	1	
-172								.610/15.49	2	2	
-173								.733/18.62	1	1	
-174			STD.					.733/18.62	2	2	
-175			LOW PROFILE					.160/4.06	1	1	
-176								.160/4.06	2	2	
-177								.610/15.49	1	1	
-178								.610/15.49	2	2	
-179								.733/18.62	1	1	
68710-180	2 X 20	D	LOW PROFILE	2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04	.733/18.62	2	2	NOTE 12



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ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	.XX±.01/.3 INCH/MM	
						0°±2'		.XXX±.005/.13 scale 1:1	
						dr	M. CLOUSER	3/01/90	
						enr	M. SMYK	3/01/90	
						chr	M. SMYK	3/01/90	
						appd	M. SMYK	3/01/90	
sheet index		revision sheet						sheet 7 of 13 size A3	
								type Product Customer Drawing	

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-181	2 X 22	D	NONE	2.96/75.18	2.100/53.34	2.420/61.47	2.800/71.12	.160/4.06	1	1	NOTE 12
-182								.160/4.06	2	2	
-183								.610/15.49	1	1	
-184								.610/15.49	2	2	
-185								.733/18.62	1	1	
-186			NONE					.733/18.62	2	2	
-187			STD.					.160/4.06	1	1	
-188								.160/4.06	2	2	
-189								.610/15.49	1	1	
-190								.610/15.49	2	2	
-191								.733/18.62	1	1	
-192			STD.					.733/18.62	2	2	
-193			LOW PROFILE					.160/4.06	1	1	
-194								.160/4.06	2	2	
-195								.610/15.49	1	1	
-196								.610/15.49	2	2	
-197								.733/18.62	1	1	
-198	2 X 22	D	LOW PROFILE	2.96/75.18	2.100/53.34	2.420/61.47	2.800/71.12	.733/18.62	2	2	
-199	2 X 25	D	NONE	3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74	.160/4.06	1	1	
-200								.160/4.06	2	2	
-201								.610/15.49	1	1	
-202								.610/15.49	2	2	
-203								.733/18.62	1	1	
-204			NONE					.733/18.62	2	2	
-205			STD.					.160/4.06	1	1	
-206								.160/4.06	2	2	
-207								.610/15.49	1	1	
-208								.610/15.49	2	2	
-209								.733/18.62	1	1	
-210			STD.					.733/18.62	2	2	
-211			LOW PROFILE					.160/4.06	1	1	
-212								.160/4.06	2	2	
-213								.610/15.49	1	1	
-214								.610/15.49	2	2	
-215								.733/18.62	1	1	
68710-216	2 X 25	D	LOW PROFILE	3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74	.733/18.62	2	2	NOTE 12



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mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	INCH/MM	
						dr	M. CLOUSER	3/01/90	scale 1:1
						enr	M. SMYK	3/01/90	FCI
						chr	M. SMYK	3/01/90	dwg no 68710
						appd	M. SMYK	3/01/90	sheet 8 of 13
sheet index	revision sheet								type Product Customer Drawing



PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	LEAD FREE OPTION
68710-217	2 X 30	D	NONE	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44	.160/4.06	1	1	NOTE 12
-218								.160/4.06	2	2	
-219								.610/15.49	1	1	
-220								.610/15.49	2	2	
-221								.733/18.62	1	1	
-222			NONE					.733/18.62	2	2	
-223			STD.					.160/4.06	1	1	
-224								.160/4.06	2	2	
-225								.610/15.49	1	1	
-226								.610/15.49	2	2	
-227								.733/18.62	1	1	
-228			STD.					.733/18.62	2	2	
-229			LOW PROFILE					.160/4.06	1	1	
-230								.160/4.06	2	2	
-231								.610/15.49	1	1	
-232								.610/15.49	2	2	
-233								.733/18.62	1	1	
-234	2 X 30	D	LOW PROFILE	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44	.733/18.62	2	2	
-235	2 X 5	A	STD.	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94	.250/6.35	2	2	
-236	2 X 8	D		1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56				
-237	2 X 10			1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64				
-238	2 X 13			2.06/52.34	1.200/30.48	1.520/38.61	1.900/48.26				
-239	2 X 17			2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42				
-240	2 X 20			2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04				
-241	2 X 25			3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74				
-242	2 X 30	D	STD.	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44				
-243	2 X 15	D	STD.	2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34				
-244	2 X 5	A	NONE	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94				
-245	2 X 8	D		1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56				
-246	2 X 10			1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64				
-247	2 X 13			2.06/52.34	1.200/30.48	1.520/38.61	1.900/48.26				
-248	2 X 17			2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42				
-249	2 X 20			2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04				
-250	2 X 25			3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74				
68710-251	2 X 30			3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44	.250/6.35	2	2	NOTE 12

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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	INCH/MM	
						dr	M. CLOUSER	3/01/90	scale 1:1
						enr	M. SMYK	3/01/90	dwg no
						chr	M. SMYK	3/01/90	sheet 9 of 13
						appd	M. SMYK	3/01/90	size A3
sheet index		revision sheet						type Product Customer Drawing	

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	POLARIZED MISSING PIN	LEAD FREE OPTION
68710-252	2 x 15	D	NONE	2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34	.250/6.35	2	2		NOTE 12
68710-253	2 X 20	D	STD.	2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04	.160/4.06	2	2	PIN #20	NOTE 12
68710-309	2 x 5	B	STD.	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94	.160/4.06	1	1	PIN #1	NOTE 12
68710-310	2 x 17	D	STD.	2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42	.160/4.06	1	1	PIN #25	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	INCH/MM	
						0°±2'	.XX±.01/.3	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
							.XXX±.005/.13	scale 1:1	
						dr	M. CLOUSER	3/01/90	dwg no
						enr	M. SMYK	3/01/90	sheet 0 of 13
						chr	M. SMYK	3/01/90	size
						appd	M. SMYK	3/01/90	A3
sheet index		revision sheet						type Product Customer Drawing	

form: A3 1 2 3 4 5 6

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	NOTES	PIN REMOVED	LEAD FREE OPTION
68710-400	2 x 5	A	NONE	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94	.250/6.35	4	4LF			NOTE 12
-401	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02						
-402	2 x 8	D		1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56						
-403	2 x 10			1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64						
-404	2 x 12			1.960/49.78	1.100/27.94	1.420/36.07	1.800/45.72						
-405	2 x 13			2.06/52.34	1.200/30.48	1.520/38.61	1.900/48.26						
-406	2 x 15			2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34						
-407	2 x 17			2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42						
-408	2 x 20			2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04						
-409	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12						
-410	2 x 25			3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74						
-411	2 x 30	D	NONE	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44						
-420	2 x 5	A	STD.	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94				NOTE 10		
-421	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02				NOTE 10		
-422	2 x 8	D		1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56				NOTE 10		
-423	2 x 10			1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64				NOTE 10		
-424	2 x 12			1.960/49.78	1.100/27.94	1.420/36.07	1.800/45.72				NOTE 10		
-425	2 x 13			2.06/52.34	1.200/30.48	1.520/38.61	1.900/48.26				NOTE 10		
-426	2 x 15			2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34				NOTE 10		
-427	2 x 17			2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42				NOTE 10		
-428	2 x 20			2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04				NOTE 10		
-429	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12				NOTE 10		
-430	2 x 25			3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74				NOTE 10		
-431	2 x 30	D	STD.	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44				NOTE 10		
-440	2 x 5	A	LOW PROFILE	1.26/32.00	.400/10.16	.720/18.28	1.100/27.94						
-441	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02						
-442	2 x 8	D		1.56/39.62	.700/17.78	1.020/25.91	1.400/35.56						
-443	2 x 10			1.76/44.70	.900/22.86	1.220/30.99	1.600/40.64						
-444	2 x 12			1.960/49.78	1.100/27.94	1.420/36.07	1.800/45.72						
-445	2 x 13			2.06/52.34	1.200/30.48	1.520/38.61	1.900/48.26						
-446	2 x 15			2.26/57.40	1.400/35.56	1.720/43.69	2.100/53.34						
-447	2 x 17			2.46/62.48	1.600/40.64	1.920/48.79	2.300/58.42						
-448	2 x 20			2.76/70.10	1.900/48.26	2.220/56.39	2.600/66.04						
-449	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12						
-450	2 x 25			3.26/82.80	2.400/60.96	2.720/69.09	3.100/78.74						
-451	2 x 30	D	LOW PROFILE	3.76/95.50	2.900/73.66	3.220/81.79	3.600/91.44	.250/6.35	4	4LF			
68710-452	2 x 7	C	STD.	1.460/37.08	.600/15.24	.920/23.37	1.300/33.02	.160/4.06	1		NOTE 10	14	NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>	tolerance ISO 406 ISO 1101	projection 	product family QUICKIE
ltr	ecn	no	dr	date	title
AG					P.F. HDR. ASSEMBLY SEA HORSE 4 WALL
tolerances unless otherwise specified		.XX±.01/.3		INCH/MM	scale 1:1
angles		linear .XXX±.005/.13		sheet 11 of 13 size	
0°±2'		.XXXX±.0020/.051		68710 A3	
dr	M. CLOUSER	3/01/90		type Product Customer Drawing	
enr	M. SMYK	3/01/90			
chr	M. SMYK	3/01/90			
appd	M. SMYK	3/01/90			
sheet index	revision sheet				

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	POSITION OMITTED	LEAD FREE OPTION
68710-500	2 x 5	A	NONE	1.260/32.00	.400/10.16	.720/18.28	1.100/27.94	.160/4.06	5	5LF		NOTE 12
-501	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02					
-502	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56					
-503	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64					
-504	2 x 12			1.960/49.78	1.100/27.49	1.420/36.07	1.800/45.72					
-505	2 x 13			2.060/52.34	1.200/30.48	1.520/38.61	1.900/48.26					
-506	2 x 15			2.260/57.40	1.400/35.56	1.720/43.69	2.100/53.34					
-507	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42					
-508	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04					
-509	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12					
-510	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74					
-511	2 x 30	D	NONE	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44					
-520	2 x 5	A	STD.	1.260/32.00	.400/10.16	.720/18.28	1.100/27.94					NOTE 10
-521	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02					NOTE 10
-522	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56					NOTE 10
-523	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64					NOTE 10
-524	2 x 12			1.960/49.78	1.100/27.49	1.420/36.07	1.800/45.72					NOTE 10
-525	2 x 13			2.060/52.34	1.200/30.48	1.520/38.61	1.900/48.26					NOTE 10
-526	2 x 15			2.260/57.40	1.400/35.56	1.720/43.69	2.100/53.34					NOTE 10
-527	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42					NOTE 10
-528	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04					NOTE 10
-529	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12					NOTE 10
-530	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74					NOTE 10
-531	2 x 30	D	STD.	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44					NOTE 10
-540	2 x 5	A	LOW PROFILE	1.260/32.00	.400/10.16	.720/18.28	1.100/27.94					
-541	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02					
-542	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56					
-543	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64					
-544	2 x 12			1.960/49.78	1.100/27.49	1.420/36.07	1.800/45.72					
-545	2 x 13			2.060/52.34	1.200/30.48	1.520/38.61	1.900/48.26					
-546	2 x 15			2.260/57.40	1.400/35.56	1.720/43.69	2.100/53.34					
-547	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42					
-548	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04					
-549	2 x 22			2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12					
-550	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74					
-551	2 x 30		LOW PROFILE	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44					
-552	2 x 8		NONE	1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56				2	
-553	2 x 8		STD	1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56				2	
-554	2 x 10		NONE	1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64				2	
-555	2 x 10		STD	1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64				2	
68710-556	2 x 20	D	STD	2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04	.160/4.06	1	1	1,15,16,17,18,19,20,21,22,37,38,39,40	NOTE 12

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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AG						angles	linear	P.F. HDR. ASSEMBLY SEA HORSE 4 WALL	
						0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	scale 1:1	
						dr	M. CLOUSER	3/01/90	sheet 2 of 13
						enr	M. SMYK	3/01/90	size A3
						chr	M. SMYK	3/01/90	type Product Customer Drawing
						appd	M. SMYK	3/01/90	
sheet index	revision sheet								

PRODUCT NUMBER	SIZE	STYLE	LATCH	DIM A	DIM B	DIM C	DIM D	DIM E	PIN PLATING	LEAD FREE PIN PLATING	REMARKS	PINS REMOVED	LEAD FREE OPTION
68710-620	2 x 5	A	STD.	1.260/32.00	.400/10.16	.720/18.28	1.100/27.94	.120/3.05	2	2	MINI-LIF		NOTE 12
-621	2 x 7	C	STD.	1.460/37.08	.600/15.24	.920/23.37	1.300/33.02	.120/3.05	2	2	MINI-LIF		
-640	2 x 20	D	STD.	2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04	.120/3.05	2	2	MINI-LIF		
-650	2 x 25	D	STD.	3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74	.120/3.05	2	2	MINI-LIF		
-651	2 x 22	D	STD.	2.960/75.18	2.100/53.34	2.420/61.47	2.800/71.12	.160/4.06	1	1		REMOVE PINS: 2,3,6,7,10,11,14,15,18,19,22,23, 26,27,30,31,34,35,38,39,42,43 & 44	
-652	2 x 5	A	STD.	1.260/32.00	.400/10.16	.720/18.29	1.100/27.94					REMOVE PINS: 10	
-653	2 x 5	B	STD.	1.260/32.00	.400/10.16	.720/18.29	1.100/27.94					REMOVE PINS: 10	
-654	2 x 7	C	STD.	1.460/37.08	.600/15.24	.920/23.37	1.300/33.02					REMOVE PINS: 14	
-710	2 x 5	A	NONE	1.260/32.00	.400/10.16	.720/18.28	1.100/27.94						
-714	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02						
-716	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56						
-720	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64						
-726	2 x 13			2.060/52.32	1.200/30.48	1.520/38.61	1.900/48.26						
-734	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42						
-740	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04						
-750	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74						
-760	2 x 30	D	NONE	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44						
-810	2 x 5	A	STD.	1.260/32.00	.400/10.16	.720/18.29	1.100/27.94						
-814	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02						
-816	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56						
-820	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64						
-826	2 x 13			2.060/52.32	1.200/30.48	1.520/38.61	1.900/48.26						
-834	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42						
-840	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04						
-850	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74						
-860	2 x 30	D	STD.	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44						
-910	2 x 5	A	LOW	1.260/32.00	.400/10.16	.720/18.29	1.100/27.94						
-914	2 x 7	C		1.460/37.08	.600/15.24	.920/23.37	1.300/33.02						
-916	2 x 8	D		1.560/39.62	.700/17.78	1.020/25.91	1.400/35.56						
-920	2 x 10			1.760/44.70	.900/22.86	1.220/30.99	1.600/40.64						
-926	2 x 13			2.060/52.32	1.200/30.48	1.520/38.61	1.900/48.26						
-934	2 x 17			2.460/62.48	1.600/40.64	1.920/48.79	2.300/58.42						
-940	2 x 20			2.760/70.10	1.900/48.26	2.220/56.39	2.600/66.04						
-950	2 x 25			3.260/82.80	2.400/60.96	2.720/69.09	3.100/78.74						
68710-960	2 x 30	D	LOW	3.760/95.50	2.900/73.66	3.220/81.79	3.600/91.44	.160/4.06	1	1			NOTE 12



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE	
ltr	ecn	no	dr	date	tolerances unless otherwise specified				
AG					angles	linear	.XX±.01/.3	INCH/MM	
					0°±2'		.XXX±.005/.13		
							.XXXX±.0020/.051	scale 1:1	
					dr	M. CLOUSER	3/01/90	FCI	
					enr	M. SMYK	3/01/90	sheet 3 of 13 size	
					chr	M. SMYK	3/01/90	68710 A3	
					appd	M. SMYK	3/01/90	type Product Customer Drawing	
sheet index	revision sheet								