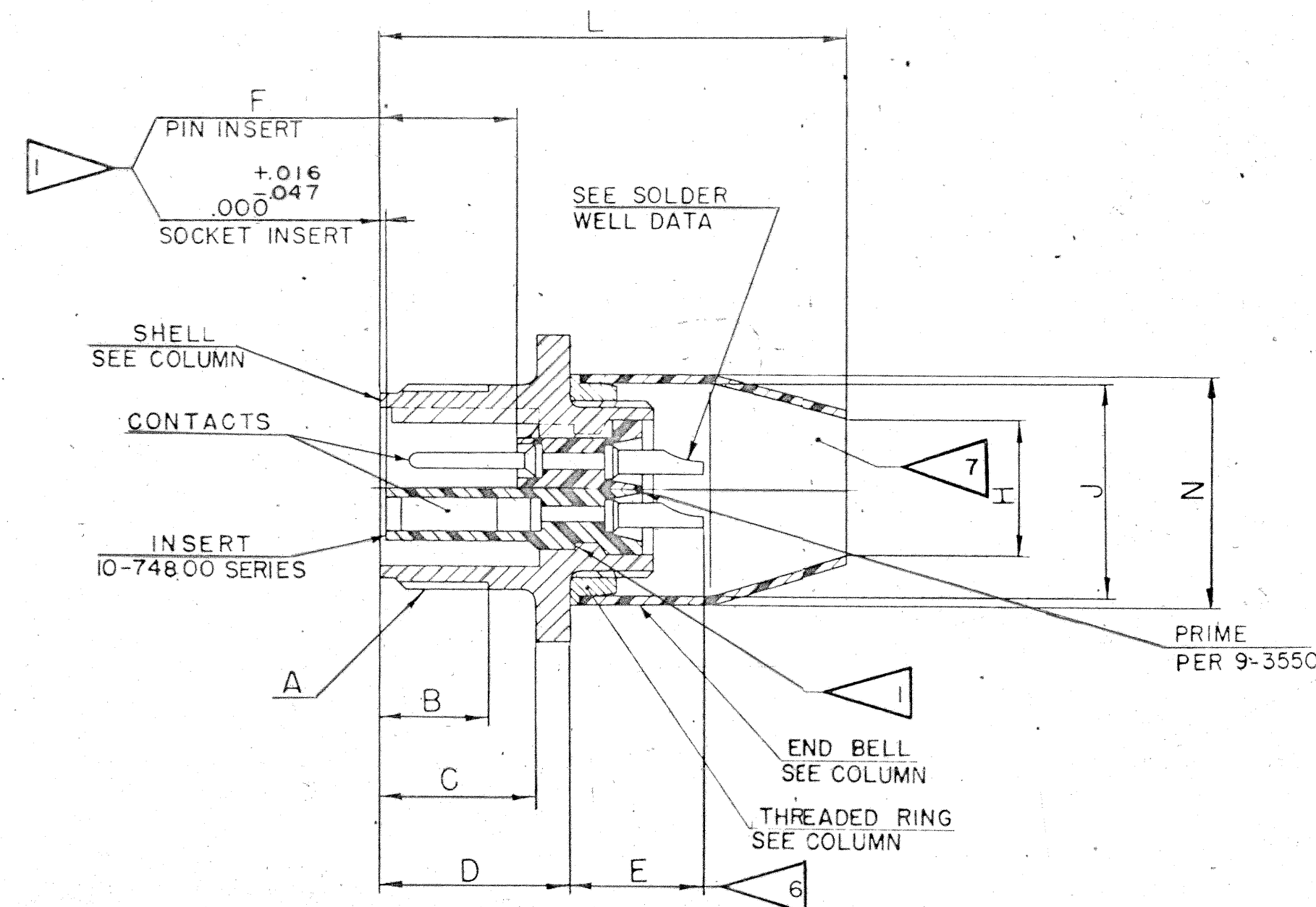
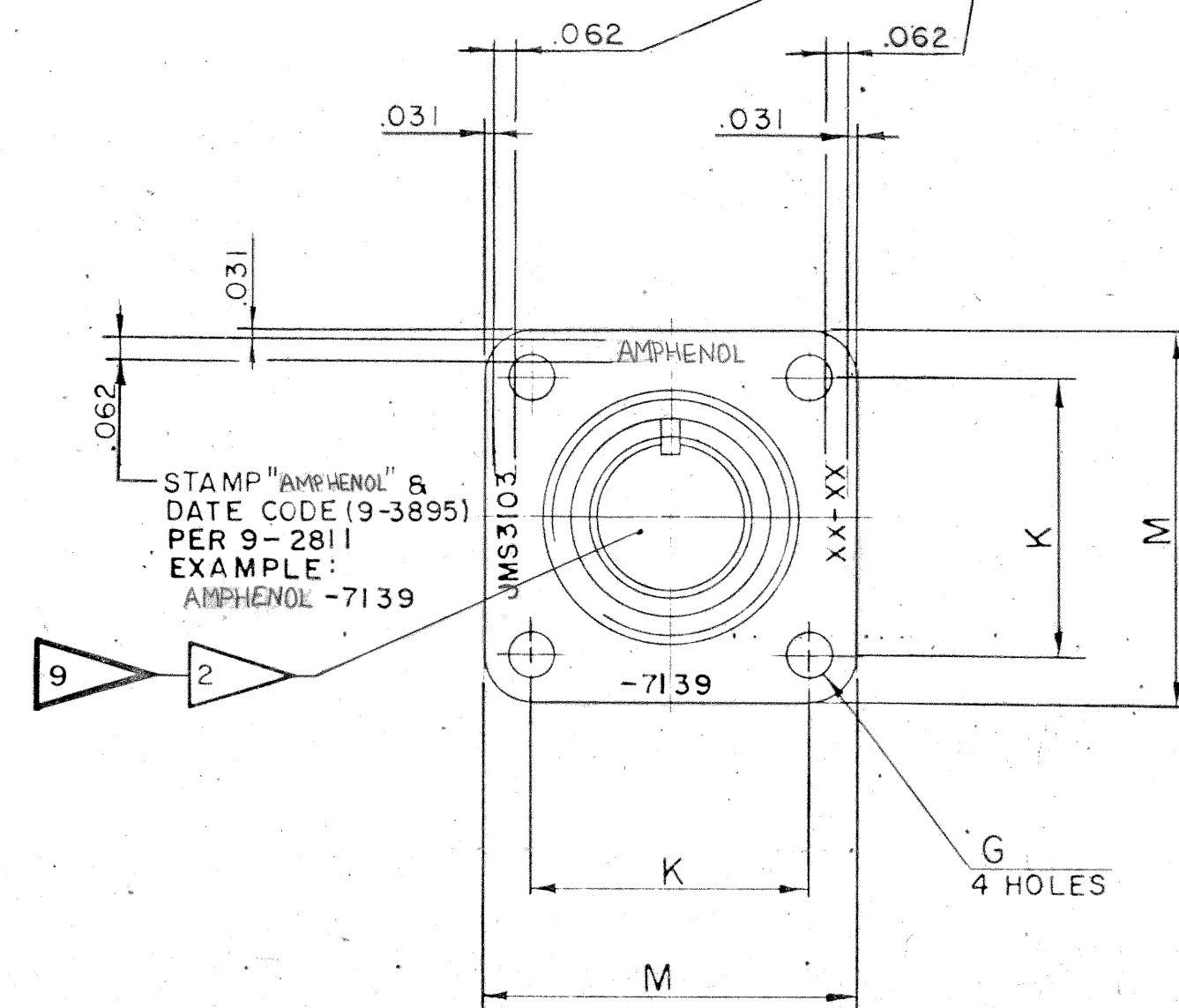


REF		WAS		DATE	D'MAN	APPD
1	35508-42	CNR	ADDED COL N	4:59	HUDOCK	
A)	53249		(MFG): ADD. 9-3895 (PRO SPEC): REV -1 STAMPING NOTE (1PL)	1:372	Ruddell	Hayes
B			(CL II) SEE ECN 91399	9/1/00	Hudson	

ASSY NO.	MS NO.	SHELL	T THREADED RING	END BELL	DIMENSIONS													
					A THREAD (PLATED)		B MIN FULL THD	C +0.10 -0.00	D +0.020 -0.010	E +0.050 -0.060	F +0.016 -0.047	G DIA +0.004 -0.002	H DIA	J DIA +0.010 -0.000	K ±0.005	L MAX	M	N +0.030 -0.020
					SIZE CLASS 2A	PITCH DIA												
10-189025-	3103-BS-	10-37260-8	10-183340-83	10-36298-8	.5000-28 UNEF	.4768-.4720	.391	.562	.672	.422	.492	.120	.288	.516	.594	1.375	.875	.578
10-189026-	-10S-	-10	-103	-10	.6250-24 NEF	.5979-.5927	.391						.359	.609	.719		1.000	.671
10-189027-	-10SL-	-11	-123	-12	.6250-24 NEF	.5979-.5927	.391						.484	.766	.719		1.000	.828
10-189028-	-12S-	-12	-123	-12	.7500-20 UNEF	.7175-.7118	.450	↑	↑	↑	↑		.484	.766	.812	↑	1.094	.828
10-189029-	-12-	-13	-123	-13	.7500-20 UNEF	.7175-.7118	.625	.750	.860	.672	.679		.484	.766	.812	1.780	1.094	.828
10-189030-	-14S-	-14	-143	-14	.8750-20 UNEF	.8425-.8368	.450	.562	.672	.422	.492		.609	.844	.906	1.375	1.188	.906
10-189031-	-14-	-15	-143	-15	.8750-20 UNEF	.8425-.8368	.625	.750	.860	.672	.679		.609	.844	.906	1.781	1.188	.906
10-189032-	-16S-	-16	-163	-16	1.0000-20 UNEF	.9675-.9616	.450	.562	.672	.422	.492		.734	.969	.969	1.375	1.281	1.031
10-189033-	-16-	-17	-163	-17	1.0000-20 UNEF	.9675-.9616	.625	.750	.860	.672	.679		.734	.969	.969	1.781	1.281	1.031
10-189034-	-18-	-18	-183	-18	1.1250-18 NEF	1.0889-1.0828			.891	.641			.859	1.094	1.063	1.812	1.375	1.156
10-189035-	-20-	-20	-203	-20	1.2500-18 NEF	1.2139-1.2075			↑	↑	↑		.984	1.219	1.156		1.500	1.281
10-189036-	-22-	-22	-223	-22	1.3750-18 NEF	1.3389-1.3325		↑	↑	↑		↑	1.109	1.344	1.250		1.625	1.406
10-189037-	-24-	-24	-243	-24	1.5000-18 NEF	1.4639-1.4574		.812	.953	.578		.147	1.234	1.469	1.375		1.750	1.531
10-189038-	-28-	-28	-283	-28	1.7500-18 NS	1.7139-1.7073		.812	.953	.578		.147	1.427	1.719	1.562	↑	2.000	1.781
10-189039-	-32-	-32	-323	-32	2.0000-18 NS	1.9639-1.9573		.875	1.031	.500		.173	1.708	2.000	1.750	1.828	2.250	2.052
10-189040-	-36-	-36	-363	-36	2.2500-16 UN	2.2094-2.2024		↑	↑	↑		↑	1.895	2.219	1.938		2.500	2.281
10-189041-	↑ -40-	↑ -40	↑ -403	↑ -40	2.5000-16 UN	2.4594-2.4522	↑	↑	↑	↑	↑	↑	2.130	2.469	2.188	↑	2.750	2.531

STAMP PER 9-2811
JMS NUMBER
EXAMPLE
JMS3103-12S-3P
FOR SUFFIX OTHER THAN "P" OR "S",
STAMP IN ACCORDANCE WITH 9-2437
(SUFFIX OF MS NUMBER ONLY)
EXAMPLE:
JMS3103-12S-3PW

ACCESSORIES (NOT PART OF STANDARD ASSEMBLY)	
 FLANGE GASKET, PLAIN 10-40450-(SHELL SIZE)	 FLANGE GASKET, SHIELDING 10-40450-(SHELL SIZE)



NOTES: REF SYMBOL

3. INSERTS & CONTACTS ARE REMOVABLE.
8. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
7. SIZE "O" CONTACTS MUST BE INDIVIDUALLY POTTED USE VINYL TUBING, OR EQUIVALENT, OF SUITABLE LENGTH AND DIAMETER, EXTENDING INTO MAIN POTTED AREA.
6. INCREASE E DIMENSION BY .312 FOR SIZE "O" CONTACTS ONLY.
5. THE UNITS ILLUSTRATED WILL MEET THE PERFORMANCE, MATERIAL & FINISH REQUIREMENTS OF MS3103 PER MIL-C-5015C.
4. TO COMPLETE ASSEMBLY NUMBER & MS NO., ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. TO DETERMINE DESIRED INSERT ARRANGEMENT, SEE PARTS LISTS 10-189025 THRU 10-189041.
3. FOR MATING PLUG ASSEMBLIES, SEE DRAWINGS 10-63008/40 & OTHERS.
2. FOR CONTACT SIZE, SPACING AND SERVICE RATING, SEE DRAWINGS ANDIO425 THRU ANDIO436.
1. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.

10-189025 THRU
10-189041

SOLDER WELL DATA						
CONTACT SIZE	0	4	8	12	16	16M
WELL DIA	.469 ⁺⁰⁰⁵ ₋₀₀₃	.332 ⁺⁰⁰⁵ ₋₀₀₃	.209 ⁺⁰⁰⁴ ₋₀₀₂	.116 ⁺⁰⁰⁴ ₋₀₀₂	.078 ⁺⁰⁰⁴ ₋₀₀₂	.078 ⁺⁰⁰⁴ ₋₀₀₂
WELL DEPTH	⁺⁰³¹ ₋₀₀₀	.625	.500	.250	.188	.188

MATERIAL SPEC.	PROCESS SPEC.	SCINTILLA MAGNETO DIVISION				TOLERANCES UNLESS OTHERWISE SPECIFIED			
	TEST 9-3106-5 ASST 9-103-1 9-3550	BENDIX AVIATION CORPORATION SIDNEY N.Y. U.S.A.				DIMENSIONS ± .002 DECIMALS ± .010 HUNDREDS ± .005 ANGLES ± 1' ROUNDS ± .005 SQUARES ± .005 SURFACES ± .005 EDGES ± .005 MECHANICAL FINISHES PER BENDIX DRAWING STANDARDS FINISHES PER BENDIX DRAWING STANDARDS WEIGHTS PER BENDIX DRAWING STANDARDS			
HEAT TREAT. SPEC.	9-2437 9-2811 9-3695	NAME CONNECTOR, ELECTRICAL RECEPTACLE, TYPE MS 3103				NEXT ASSEMBLY PARTS LIST			
		D MAN CHECKER MAT STDS CH D MAN APPROVER SCALE KOVARIK HORTON <i>Robert King</i> <i>James</i> 1-2458 12-8-58 12-10-58 12-10-58				SUPERSEDES SUPERSEDED BY REF. 10-87249/64 10-189025 THRU 10-189041			
TRNG. ACC.	COM. REC.					NONE			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[MS3103-22-10S](#) [MS3103-22-14S](#) [MS310320-29P](#) [MS3103-24-22P](#) [MS3103-12S-3S](#) [MS3103-14S-7P](#) [MS3103-18-4P](#) [MS3103-28-21P](#) [MS3103-14S-7S](#) [MS3103-20-3S](#) [MS3103-10SL-4P](#) [MS3103-18-9S](#) [MS3103-20-7P](#) [MS3103-14S-2S](#) [MS3103-28-21S](#) [MS3103-14S-2P](#) [MS3103-16-10S](#) [MS3103-16S-8P](#) [MS3103-14S-6P](#) [MS3103-18-9P](#) [MS3103-18-8P](#) [MS3103-16-9S](#) [MS3103-24-10P](#) [MS3103-16S-1P](#) [MS3103-20-4S](#) [MS3103-16S-1S](#) [MS3103-18-1S](#) [MS310332-7P](#) [MS3103-16S-5S](#) [MS3103-16S-4S](#) [MS3103-20-15P](#) [MS3103-28-12S](#) [MS3103-12-5S](#) [MS3103-24-20P](#) [MS3103-16-10P](#) [MS3103-14S-4P](#) [MS3103-14S-5P](#) [MS3103-14S-9S](#) [MS3103-18-10S](#) [MS3103-18-11P](#) [MS3103-20-2P](#) [MS3103-20-7S](#) [MS3103-20-8S](#) [MS3103-22-23S](#) [MS3103-36-6P](#) [MS3103-36-9P](#)