

L\_IN (0: 31)

R\_IN (0: 31)

MASK (3: 4)

SHIFT (0: 5)

FLOP (0: 4)

X0 G14 L\_IN0  
 X1 N11 L\_IN1  
 X2 P11 L\_IN2  
 X3 N10 L\_IN3  
 X4 G11 L\_IN4  
 X5 N9 L\_IN5  
 X6 G8 L\_IN6  
 X7 N7 L\_IN7  
 X8 P6 L\_IN8  
 X9 N6 L\_IN9  
 X10 G5 L\_IN10  
 X11 N4 L\_IN11  
 X12 P4 L\_IN12  
 X13 N3 L\_IN13  
 X14 G3 L\_IN14  
 X15 N2 L\_IN15  
 X16 P2 L\_IN16  
 X17 N1 L\_IN17  
 X18 G1 L\_IN18  
 X19 P1 L\_IN19  
 X20 N0 L\_IN20  
 X21 G0 L\_IN21  
 X22 P8 L\_IN22  
 X23 N8 L\_IN23  
 X24 G7 L\_IN24  
 X25 P7 L\_IN25  
 X26 N6 L\_IN26  
 X27 G5 L\_IN27  
 X28 P3 L\_IN28  
 X29 N5 L\_IN29  
 X30 G2 L\_IN30  
 X31 P9 L\_IN31

Y0 G15 R\_IN0  
 Y1 E13 R\_IN1  
 Y2 E14 R\_IN2  
 Y3 F13 R\_IN3  
 Y4 E15 R\_IN4  
 Y5 G13 R\_IN5  
 Y6 G15 R\_IN6  
 Y7 H15 R\_IN7  
 Y8 J13 R\_IN8  
 Y9 K15 R\_IN9  
 Y10 L14 R\_IN10  
 Y11 L15 R\_IN11  
 Y12 M14 R\_IN12  
 Y13 M15 R\_IN13  
 Y14 N14 R\_IN14  
 Y15 N13 R\_IN15  
 Y16 G14 R\_IN16  
 Y17 G15 R\_IN17  
 Y18 H15 R\_IN18  
 Y19 I14 R\_IN19  
 Y20 F15 R\_IN20  
 Y21 F15 R\_IN21  
 Y22 H14 R\_IN22  
 Y23 H13 R\_IN23  
 Y24 J15 R\_IN24  
 Y25 K14 R\_IN25  
 Y26 K13 R\_IN26  
 Y27 L14 R\_IN27  
 Y28 L13 R\_IN28  
 Y29 P15 R\_IN29  
 Y30 P15 R\_IN30  
 Y31 N13 R\_IN31

L3  
 L1  
 L2  
 L3  
 L4  
 L5  
 F0  
 F1  
 F2  
 F3  
 F4  
 F5  
 F6  
 F7

ALU\_OUT0 G19 Z0  
 ALU\_OUT1 A14 Z1  
 ALU\_OUT2 G11 Z2  
 ALU\_OUT3 A13 Z3  
 ALU\_OUT4 B11 Z4  
 ALU\_OUT5 G10 Z5  
 ALU\_OUT6 B8 Z6  
 ALU\_OUT7 C8 Z7  
 ALU\_OUT8 C9 Z8  
 ALU\_OUT9 B8 Z9  
 ALU\_OUT10 A8 Z10  
 ALU\_OUT11 B7 Z11  
 ALU\_OUT12 B6 Z12  
 ALU\_OUT13 A5 Z13  
 ALU\_OUT14 A5 Z14  
 ALU\_OUT15 B4 Z15  
 ALU\_OUT16 G12 Z16  
 ALU\_OUT17 B13 Z17  
 ALU\_OUT18 B12 Z18  
 ALU\_OUT19 A12 Z19  
 ALU\_OUT20 A11 Z20  
 ALU\_OUT21 B10 Z21  
 ALU\_OUT22 A10 Z22  
 ALU\_OUT23 C9 Z23  
 ALU\_OUT24 A8 Z24  
 ALU\_OUT25 A7 Z25  
 ALU\_OUT26 C7 Z26  
 ALU\_OUT27 A5 Z27  
 ALU\_OUT28 C8 Z28  
 ALU\_OUT29 B5 Z29  
 ALU\_OUT30 C5 Z30  
 ALU\_OUT31 A2 Z31

FPU\_STAT0 D2 S0  
 FPU\_STAT1 E3 S1  
 FPU\_STAT2 C2 S2  
 FPU\_STAT3 B1 S3  
 FPU\_STAT4 C3 READY

CLK G2 C\_ALU  
 OE D1 OE\_2265  
 CS1 P1 CSL\_2265  
 U0 F2 MASK0 MASK (0: 2)  
 U1 F3 MASK1  
 U2 E1 MASK2  
 CPU E2

FPU\_STAT (0: 4)  
 ALU\_OUT (0: 31)

MTL-2265  
A27

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 CHECKED  
 APPROVED  
 APPROVED  
 APPROVED

DATE 9/5/86

LMI LISP Machine Inc.  
 6 Tech Drive  
 Andover, MA 01810

FLOATING POINT ALU  
 SIZE CAT. REF NO. 3 REV 0  
 D N/A SHEET 22 OF 40