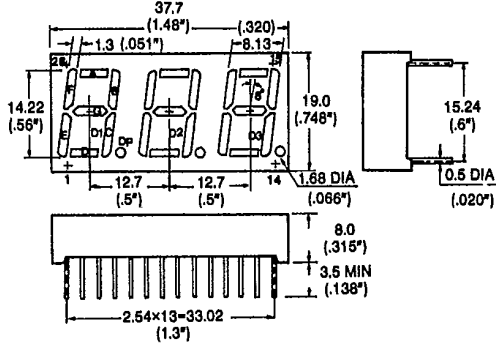


# 3&4 DIGIT DISPLAY

T-41-33

## .56" DIGIT SIZE

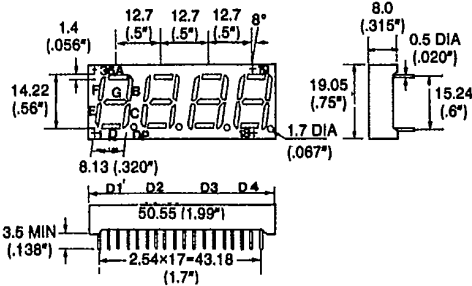
PART NO.	PEAK WAVE-LENGTH λ P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS							Pin-Out
			I <sub>F</sub> (mA)	V <sub>R</sub> (V)	P <sub>D</sub> (mW)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (V)			I <sub>R</sub> (μA)		I <sub>y</sub> (μcd)		
								typ.	max.	@ mA	max.	@ V <sub>R</sub>	typ. per seg.	@ mA	
MTN1356-11A	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	1
MTN2356-11A	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	1
MTN4356-11A	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1
MTN4356R-11A	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1
MTN1356-11C	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	2
MTN2356-11C	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	2
MTN4356-11C	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2
MTN4356R-11C	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2



PINOUT 1										PINOUT 2									
PIN NO.	FUNCTION	15.	D3 COMMON ANODE	31.	F SEG CATHODE (D1)	16.	A SEG CATHODE (D3)	32.	D SEG ANODE (D1)	17.	F SEG CATHODE (D3)	18.	D3 COMMON CATHODE	33.	D1 COMMON CATHODE				
1.	E SEG CATHODE (D1)	15.	D3 COMMON ANODE	31.	F SEG CATHODE (D1)	16.	A SEG CATHODE (D3)	32.	D SEG ANODE (D1)	17.	F SEG CATHODE (D3)	18.	D3 COMMON CATHODE	33.	D1 COMMON CATHODE				
2.	D SEG CATHODE (D1)	16.	A SEG CATHODE (D3)	32.	D SEG ANODE (D1)	17.	F SEG CATHODE (D3)	33.	D1 COMMON CATHODE	18.	D3 COMMON CATHODE	34.	D2 COMMON CATHODE	34.	D2 COMMON CATHODE				
3.	C SEG CATHODE (D1)	17.	F SEG CATHODE (D3)	33.	D1 COMMON CATHODE	19.	B SEG CATHODE (D2)	35.	E SEG ANODE (D2)	19.	B SEG CATHODE (D2)	36.	G SEG ANODE (D2)	35.	E SEG ANODE (D2)				
4.	DP SEG CATHODE (D1)	18.	G SEG CATHODE (D2)	34.	B SEG ANODE (D2)	20.	G SEG CATHODE (D2)	36.	G SEG ANODE (D2)	20.	G SEG CATHODE (D2)	37.	F SEG ANODE (D2)	21.	A SEG ANODE (D1)				
5.	E SEG CATHODE (D2)	19.	B SEG CATHODE (D2)	35.	E SEG ANODE (D2)	21.	A SEG ANODE (D1)	37.	F SEG ANODE (D2)	21.	A SEG ANODE (D1)	38.	B SEG ANODE (D1)	22.	G SEG ANODE (D1)				
6.	D SEG CATHODE (D2)	20.	G SEG CATHODE (D2)	36.	G SEG ANODE (D2)	22.	G SEG ANODE (D1)	38.	B SEG ANODE (D1)	22.	G SEG ANODE (D1)	39.	A SEG ANODE (D1)	23.	F SEG ANODE (D1)				
7.	C SEG CATHODE (D2)	21.	A SEG ANODE (D1)	37.	F SEG ANODE (D1)	23.	F SEG ANODE (D1)	39.	A SEG ANODE (D1)	23.	F SEG ANODE (D1)	40.	D1 COMMON CATHODE	24.	B SEG ANODE (D1)				
8.	DP SEG CATHODE (D2)	22.	G SEG ANODE (D1)	38.	B SEG ANODE (D1)	24.	B SEG ANODE (D1)	40.	D1 COMMON CATHODE	24.	B SEG ANODE (D1)	41.	D2 COMMON CATHODE	25.	A SEG ANODE (D1)				
9.	D3 COMMON ANODE	23.	F SEG ANODE (D1)	39.	A SEG ANODE (D1)	25.	A SEG ANODE (D1)	41.	D2 COMMON CATHODE	25.	A SEG ANODE (D1)	42.	D3 COMMON ANODE	26.	D1 COMMON CATHODE				
10.	E SEG CATHODE (D3)	24.	B SEG ANODE (D1)	40.	D1 COMMON CATHODE	26.	D1 COMMON CATHODE	42.	D3 COMMON ANODE	26.	D1 COMMON CATHODE	43.	F SEG ANODE (D1)	27.	F SEG ANODE (D1)				
11.	D SEG CATHODE (D3)	25.	A SEG ANODE (D1)	41.	D2 COMMON CATHODE	27.	F SEG ANODE (D1)	43.	F SEG ANODE (D1)	27.	F SEG ANODE (D1)	44.	G SEG ANODE (D1)	28.	G SEG ANODE (D1)				
12.	C SEG CATHODE (D3)	26.	D1 COMMON CATHODE	42.	D3 COMMON ANODE	28.	G SEG ANODE (D1)	44.	G SEG ANODE (D1)	28.	G SEG ANODE (D1)	45.	D2 COMMON CATHODE	29.	D2 COMMON CATHODE				
13.	DP SEG CATHODE (D3)	27.	F SEG ANODE (D1)	43.	F SEG ANODE (D1)	29.	D2 COMMON CATHODE	45.	D2 COMMON CATHODE	29.	D2 COMMON CATHODE	46.	D3 COMMON ANODE	30.	D3 COMMON ANODE				
14.	B SEG CATHODE (D3)	28.	G SEG ANODE (D1)	44.	G SEG ANODE (D1)	30.	D3 COMMON ANODE	46.	D3 COMMON ANODE	30.	D3 COMMON ANODE	47.	D4 COMMON CATHODE	31.	D4 COMMON CATHODE				

## .56" DIGIT SIZE

PART NO.	PEAK WAVE-LENGTH λ P (nm)	EMITTED COLOR	MAXIMUM RATINGS					OPTO-ELECTRICAL CHARACTERISTICS							Pin-Out
			I <sub>F</sub> (mA)	V <sub>R</sub> (V)	P <sub>D</sub> (mW)	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)	V <sub>F</sub> (V)			I <sub>R</sub> (μA)		I <sub>y</sub> (μcd)		
								typ.	max.	@ mA	max.	@ V <sub>R</sub>	typ. per seg.	@ mA	
MTN1456-ASR	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	1
MTN2456-AQ	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	1
MTN4456-AO	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1
MTN4456-AHR	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	1
MTN1456-CSR	655	Red	25	3	100	-40 ~ 85	-55 ~ 100	1.7	2.0	20	100	3	450	10	2
MTN2456-CG	567	Green	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1650	10	2
MTN4456-CO	635	Orange	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2
MTN4456-CHR	635	Hi-Eff Red	25	5	85	-40 ~ 85	-55 ~ 100	2.1	3.0	20	100	5	1800	10	2



PINOUT 1										PINOUT 2									
PIN NO.	FUNCTION	19.	CATHODE B (D4)	35.	A SEG ANODE (D2)	20.	CATHODE A (D4)	36.	G SEG ANODE (D2)	21.	CATHODE F (D4)	37.	D4 COMMON CATHODE	22.	D3 COMMON CATHODE				
1.	CATHODE E (D1)	19.	CATHODE B (D4) <td>35.</td> <td>A SEG ANODE (D2) <td>20.</td> <td>CATHODE A (D4) <td>36.</td> <td>G SEG ANODE (D2) <td>21.</td> <td>CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE</td> <td>22.</td> <td>D3 COMMON CATHODE</td> </td></td></td></td>	35.	A SEG ANODE (D2) <td>20.</td> <td>CATHODE A (D4) <td>36.</td> <td>G SEG ANODE (D2) <td>21.</td> <td>CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE</td> <td>22.</td> <td>D3 COMMON CATHODE</td> </td></td></td>	20.	CATHODE A (D4) <td>36.</td> <td>G SEG ANODE (D2) <td>21.</td> <td>CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE</td> <td>22.</td> <td>D3 COMMON CATHODE</td> </td></td>	36.	G SEG ANODE (D2) <td>21.</td> <td>CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE</td> <td>22.</td> <td>D3 COMMON CATHODE</td> </td>	21.	CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE</td> <td>22.</td> <td>D3 COMMON CATHODE</td>	37.	D4 COMMON CATHODE	22.	D3 COMMON CATHODE				
2.	CATHODE D (D1)	20.	CATHODE A (D4) <td>36.</td> <td>G SEG ANODE (D2) <td>22.</td> <td>D4 COMMON CATHODE <td>38.</td> <td>A SEG ANODE (D2) <td>23.</td> <td>D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td></td></td></td></td></td>	36.	G SEG ANODE (D2) <td>22.</td> <td>D4 COMMON CATHODE <td>38.</td> <td>A SEG ANODE (D2) <td>23.</td> <td>D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td></td></td></td></td>	22.	D4 COMMON CATHODE <td>38.</td> <td>A SEG ANODE (D2) <td>23.</td> <td>D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td></td></td></td>	38.	A SEG ANODE (D2) <td>23.</td> <td>D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td></td></td>	23.	D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td></td>	39.	A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) </td>	24.	ANODE B (D4)				
3.	CATHODE C (D1)	21.	CATHODE F (D4) <td>37.</td> <td>D4 COMMON CATHODE <td>23.</td> <td>D3 COMMON CATHODE <td>40.</td> <td>ANODE D (D4) <td>25.</td> <td>ANODE E (D2) <td>41.</td> <td>ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td></td></td></td></td></td>	37.	D4 COMMON CATHODE <td>23.</td> <td>D3 COMMON CATHODE <td>40.</td> <td>ANODE D (D4) <td>25.</td> <td>ANODE E (D2) <td>41.</td> <td>ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td></td></td></td></td>	23.	D3 COMMON CATHODE <td>40.</td> <td>ANODE D (D4) <td>25.</td> <td>ANODE E (D2) <td>41.</td> <td>ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td></td></td></td>	40.	ANODE D (D4) <td>25.</td> <td>ANODE E (D2) <td>41.</td> <td>ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td></td></td>	25.	ANODE E (D2) <td>41.</td> <td>ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td></td>	41.	ANODE C (D1) <td>26.</td> <td>ANODE A (D4) </td>	26.	ANODE A (D4)				
4.	CATHODE DP (D1)	22.	D4 COMMON CATHODE <td>38.</td> <td>A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) <td>42.</td> <td>ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>43.</td> <td>ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td></td></td></td></td></td>	38.	A SEG ANODE (D2) <td>24.</td> <td>ANODE B (D4) <td>42.</td> <td>ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>43.</td> <td>ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td></td></td></td></td>	24.	ANODE B (D4) <td>42.</td> <td>ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>43.</td> <td>ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td></td></td></td>	42.	ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>43.</td> <td>ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td></td></td>	27.	ANODE D (D2) <td>43.</td> <td>ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td></td>	43.	ANODE F (D2) <td>28.</td> <td>ANODE D (D2) </td>	28.	ANODE D (D2)				
5.	CATHODE E (D2)	23.	D3 COMMON CATHODE <td>39.</td> <td>A SEG ANODE (D2) <td>25.</td> <td>ANODE C (D1) <td>44.</td> <td>ANODE E (D2) <td>29.</td> <td>ANODE A (D4) <td>45.</td> <td>ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td></td></td></td></td></td>	39.	A SEG ANODE (D2) <td>25.</td> <td>ANODE C (D1) <td>44.</td> <td>ANODE E (D2) <td>29.</td> <td>ANODE A (D4) <td>45.</td> <td>ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td></td></td></td></td>	25.	ANODE C (D1) <td>44.</td> <td>ANODE E (D2) <td>29.</td> <td>ANODE A (D4) <td>45.</td> <td>ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td></td></td></td>	44.	ANODE E (D2) <td>29.</td> <td>ANODE A (D4) <td>45.</td> <td>ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td></td></td>	29.	ANODE A (D4) <td>45.</td> <td>ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td></td>	45.	ANODE B (D4) <td>30.</td> <td>ANODE E (D2) </td>	30.	ANODE E (D2)				
6.	CATHODE D (D2)	24.	ANODE B (D4) <td>40.</td> <td>ANODE D (D2) <td>26.</td> <td>ANODE A (D4) <td>46.</td> <td>ANODE C (D1) <td>30.</td> <td>ANODE E (D2) <td>47.</td> <td>ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td></td></td></td></td></td>	40.	ANODE D (D2) <td>26.</td> <td>ANODE A (D4) <td>46.</td> <td>ANODE C (D1) <td>30.</td> <td>ANODE E (D2) <td>47.</td> <td>ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td></td></td></td></td>	26.	ANODE A (D4) <td>46.</td> <td>ANODE C (D1) <td>30.</td> <td>ANODE E (D2) <td>47.</td> <td>ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td></td></td></td>	46.	ANODE C (D1) <td>30.</td> <td>ANODE E (D2) <td>47.</td> <td>ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td></td></td>	30.	ANODE E (D2) <td>47.</td> <td>ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td></td>	47.	ANODE D (D4) <td>31.</td> <td>ANODE C (D1) </td>	31.	ANODE C (D1)				
7.	CATHODE G (D2)	25.	ANODE C (D1) <td>41.</td> <td>ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>48.</td> <td>ANODE E (D2) <td>31.</td> <td>ANODE C (D1) <td>49.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td></td></td></td></td></td>	41.	ANODE F (D2) <td>27.</td> <td>ANODE D (D2) <td>48.</td> <td>ANODE E (D2) <td>31.</td> <td>ANODE C (D1) <td>49.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td></td></td></td></td>	27.	ANODE D (D2) <td>48.</td> <td>ANODE E (D2) <td>31.</td> <td>ANODE C (D1) <td>49.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td></td></td></td>	48.	ANODE E (D2) <td>31.</td> <td>ANODE C (D1) <td>49.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td></td></td>	31.	ANODE C (D1) <td>49.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td></td>	49.	ANODE F (D2) <td>32.</td> <td>ANODE D (D4) </td>	32.	ANODE D (D4)				
8.	CATHODE C (D2)	26.	ANODE D (D4) <td>42.</td> <td>ANODE E (D2) <td>28.</td> <td>ANODE E (D2) <td>50.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) <td>51.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td></td></td></td></td></td>	42.	ANODE E (D2) <td>28.</td> <td>ANODE E (D2) <td>50.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) <td>51.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td></td></td></td></td>	28.	ANODE E (D2) <td>50.</td> <td>ANODE F (D2) <td>32.</td> <td>ANODE D (D4) <td>51.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td></td></td></td>	50.	ANODE F (D2) <td>32.</td> <td>ANODE D (D4) <td>51.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td></td></td>	32.	ANODE D (D4) <td>51.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td></td>	51.	ANODE G (D2) <td>33.</td> <td>ANODE F (D2) </td>	33.	ANODE F (D2)				
9.	CATHODE DP (D2)	27.	ANODE E (D2) <td>43.</td> <td>ANODE F (D2) <td>29.</td> <td>ANODE F (D2) <td>52.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) <td>53.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td></td></td></td></td></td>	43.	ANODE F (D2) <td>29.</td> <td>ANODE F (D2) <td>52.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) <td>53.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td></td></td></td></td>	29.	ANODE F (D2) <td>52.</td> <td>ANODE G (D2) <td>33.</td> <td>ANODE F (D2) <td>53.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td></td></td></td>	52.	ANODE G (D2) <td>33.</td> <td>ANODE F (D2) <td>53.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td></td></td>	33.	ANODE F (D2) <td>53.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td></td>	53.	ANODE H (D2) <td>34.</td> <td>ANODE G (D2) </td>	34.	ANODE G (D2)				
10.	CATHODE E (D3)	28.	ANODE F (D2) <td>44.</td> <td>ANODE G (D2) <td>30.</td> <td>ANODE G (D2) <td>54.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) <td>55.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td></td></td></td></td></td>	44.	ANODE G (D2) <td>30.</td> <td>ANODE G (D2) <td>54.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) <td>55.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td></td></td></td></td>	30.	ANODE G (D2) <td>54.</td> <td>ANODE H (D2) <td>34.</td> <td>ANODE G (D2) <td>55.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td></td></td></td>	54.	ANODE H (D2) <td>34.</td> <td>ANODE G (D2) <td>55.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td></td></td>	34.	ANODE G (D2) <td>55.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td></td>	55.	ANODE I (D2) <td>35.</td> <td>ANODE H (D2) </td>	35.	ANODE H (D2)				
11.	CATHODE D (D3)	29.	ANODE G (D2) <td>45.</td> <td>ANODE H (D2) <td>31.</td> <td>ANODE H (D2) <td>56.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) <td>57.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td></td></td></td></td></td>	45.	ANODE H (D2) <td>31.</td> <td>ANODE H (D2) <td>56.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) <td>57.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td></td></td></td></td>	31.	ANODE H (D2) <td>56.</td> <td>ANODE I (D2) <td>35.</td> <td>ANODE H (D2) <td>57.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td></td></td></td>	56.	ANODE I (D2) <td>35.</td> <td>ANODE H (D2) <td>57.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td></td></td>	35.	ANODE H (D2) <td>57.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td></td>	57.	ANODE J (D2) <td>36.</td> <td>ANODE I (D2) </td>	36.	ANODE I (D2)				
12.	CATHODE C (D3)	30.	ANODE H (D2) <td>46.</td> <td>ANODE I (D2) <td>32.</td> <td>ANODE I (D2) <td>58.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) <td>59.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td></td></td></td></td></td>	46.	ANODE I (D2) <td>32.</td> <td>ANODE I (D2) <td>58.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) <td>59.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td></td></td></td></td>	32.	ANODE I (D2) <td>58.</td> <td>ANODE J (D2) <td>36.</td> <td>ANODE I (D2) <td>59.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td></td></td></td>	58.	ANODE J (D2) <td>36.</td> <td>ANODE I (D2) <td>59.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td></td></td>	36.	ANODE I (D2) <td>59.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td></td>	59.	ANODE K (D2) <td>37.</td> <td>ANODE J (D2) </td>	37.	ANODE J (D2)				
13.	CATHODE DP (D3)	31.	D3 COMMON ANODE <td>47.</td> <td>ANODE J (D2) <td>33.</td> <td>ANODE J (D2) <td>60.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) <td>61.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td></td></td></td></td></td>	47.	ANODE J (D2) <td>33.</td> <td>ANODE J (D2) <td>60.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) <td>61.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td></td></td></td></td>	33.	ANODE J (D2) <td>60.</td> <td>ANODE K (D2) <td>37.</td> <td>ANODE J (D2) <td>61.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td></td></td></td>	60.	ANODE K (D2) <td>37.</td> <td>ANODE J (D2) <td>61.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td></td></td>	37.	ANODE J (D2) <td>61.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td></td>	61.	ANODE L (D2) <td>38.</td> <td>ANODE K (D2) </td>	38.	ANODE K (D2)				
14.	CATHODE E (D4)	32.	D1 COMMON ANODE <td>48.</td> <td>ANODE K (D2) <td>34.</td> <td>ANODE K (D2) <td>62.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) <td>63.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td></td></td></td></td></td>	48.	ANODE K (D2) <td>34.</td> <td>ANODE K (D2) <td>62.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) <td>63.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td></td></td></td></td>	34.	ANODE K (D2) <td>62.</td> <td>ANODE L (D2) <td>38.</td> <td>ANODE K (D2) <td>63.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td></td></td></td>	62.	ANODE L (D2) <td>38.</td> <td>ANODE K (D2) <td>63.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td></td></td>	38.	ANODE K (D2) <td>63.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td></td>	63.	ANODE M (D2) <td>39.</td> <td>ANODE L (D2) </td>	39.	ANODE L (D2)				
15.	CATHODE D (D4)	33.	CATHODE B (D1) <td>49.</td> <td>ANODE L (D2) <td>35.</td> <td>ANODE L (D2) <td>64.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) <td>65.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td></td></td></td></td></td>	49.	ANODE L (D2) <td>35.</td> <td>ANODE L (D2) <td>64.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) <td>65.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td></td></td></td></td>	35.	ANODE L (D2) <td>64.</td> <td>ANODE M (D2) <td>39.</td> <td>ANODE L (D2) <td>65.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td></td></td></td>	64.	ANODE M (D2) <td>39.</td> <td>ANODE L (D2) <td>65.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td></td></td>	39.	ANODE L (D2) <td>65.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td></td>	65.	ANODE N (D2) <td>40.</td> <td>ANODE M (D2) </td>	40.	ANODE M (D2)				
16.	CATHODE G (D4)	34.	CATHODE A (D1) <td>50.</td> <td>ANODE M (D2) <td>36.</td> <td>ANODE M (D2) <td>66.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) <td>67.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td></td></td></td></td></td>	50.	ANODE M (D2) <td>36.</td> <td>ANODE M (D2) <td>66.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) <td>67.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td></td></td></td></td>	36.	ANODE M (D2) <td>66.</td> <td>ANODE N (D2) <td>40.</td> <td>ANODE M (D2) <td>67.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td></td></td></td>	66.	ANODE N (D2) <td>40.</td> <td>ANODE M (D2) <td>67.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td></td></td>	40.	ANODE M (D2) <td>67.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td></td>	67.	ANODE O (D2) <td>41.</td> <td>ANODE N (D2) </td>	41.	ANODE N (D2)				
17.	CATHODE C (D4)	35.	CATHODE F (D1) <td>51.</td> <td>ANODE N (D2) <td>37.</td> <td>ANODE N (D2) <td>68.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE M (D2) <td>69.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td></td></td></td></td></td>	51.	ANODE N (D2) <td>37.</td> <td>ANODE N (D2) <td>68.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE M (D2) <td>69.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td></td></td></td></td>	37.	ANODE N (D2) <td>68.</td> <td>ANODE O (D2) <td>41.</td> <td>ANODE M (D2) <td>69.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td></td></td></td>	68.	ANODE O (D2) <td>41.</td> <td>ANODE M (D2) <td>69.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td></td></td>	41.	ANODE M (D2) <td>69.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td></td>	69.	ANODE P (D2) <td>42.</td> <td>ANODE O (D2) </td>	42.	ANODE O (D2)				
18.	CATHODE DP (D4)	36.	CATHODE G (D1) <td>52.</td> <td>ANODE O (D2) <td>38.</td> <td>ANODE O (D2) <td>70.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE M (D2) <td>71.</td> <td>ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td></td></td></td></td></td>	52.	ANODE O (D2) <td>38.</td> <td>ANODE O (D2) <td>70.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE M (D2) <td>71.</td> <td>ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td></td></td></td></td>	38.	ANODE O (D2) <td>70.</td> <td>ANODE P (D2) <td>42.</td> <td>ANODE M (D2) <td>71.</td> <td>ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td></td></td></td>	70.	ANODE P (D2) <td>42.</td> <td>ANODE M (D2) <td>71.</td> <td>ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td></td></td>	42.	ANODE M (D2) <td>71.</td> <td>ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td></td>	71.	ANODE Q (D2) <td>43.</td> <td>ANODE P (D2) </td>	43.	ANODE P (D2)				