BD		CUddXU YdUb Q _cSYQd_bS_S WUaeU S _bc SXb_ YUd_Q U dUb Q S_S 3_ USd QbUcYd_bVb_ dXYc Y d_Wb_e Td_cUdc YSXYWWUaeU S 1 U dUb Q S_S SQ RU Y edTYUSd d_dXU BD Y DXU YdUb Q _cSYQd_bc SXb_ YUc d_dXU U dUb Q S_S WUaeU S YX << 9VTUdUSdUT S_S YWUTWUc cd_ dXU _ UbQdY _TU Qed_ QdYSQ bUdeb c d_bUcYd_b b_WQ UT WUaeU S
5	(	5 QRU Y edd_bUWe Qd_b 8 YX- _ - 66 3Q RU S_ USdUT TYUSd d_F9 DXU dQ _VdUcYd_bTYYTUbVb_ F9 d_7 4 S_ USdY W5 Y SQ QTZecdXU Y edf _dQWU _S _eddXUcX_T 4_ _dV_Qd
F9	)	9 edce d_dXU S_ fUbdUb 3_ USdQ XYWX aeQYd R Qcc SQ QSYd_b_bSQ QSYd_bc Vb_ dXYc Y d_ 7 4 <_ Y UTQ SUS_ USdY ecdRU b f YUTd_F9
7 4		9dUb Q _ UbWb_e T 3_ USdd_c cdU Wb_e T <_ Y UTQ SUS_ USdY ecdRU b f YUTd_ 7 4 3_ USdQ XYWX aeQYd R Qcc SQ QSYd_b_bSQ QSYd_bc Vb_ dXYc Y d_F9
CG		BUWe Qd_bc YSXYW_ed ed 3_ USdCG d_Q U dUb Q _ UbYTeSd_b

fUb_ UbQdYWWUU QYdU UbQdebU bQ WU e Ucc _dXUb YcU _dUT

F_9	9 edf _dQWU bQ WU		(	F
F_{ED}	ed edf _dQWU bQ WU			F
D_J	UbQdYWZe SdY_ dU UbQdebU		%	3

F_{5C4}	8e Q 2_T =_TU 82= Ub1 C9: 5453 : C c USYSQdY_ Q Yc			F
	3 XQbWUT 4Uf YSU =_TU 34= Ub1 C9: 5453 : C c USYSQdY_ Q Yc			F

$B_{:1}$	:e SdY_ d_Q RYU ddXUb Q bUcYcdQ SU	D24	3 G
$:_D$	:e SdY_ d_d_ SXQbQSdUbYcdY_ QbQ UdUb	D24	
$:_2$	:e SdY_ d_R_QbT SXQbQSdUbYcdY_ QbQ UdUb	D24	
$B_{:3d\_}$	:e SdY_ d_SQcU dXUb Q bUcYcdQ SU	D24	
$B_{:2}$	:e SdY_ d_R_QbT dXUb Q bUcYcdQ SU	D24	
$B_{:1O5F=}$	:e SdY_ d_Q RYU ddXUb Q bUcYcdQ SU 5F=	D24	
$:_{DO5F=}$	:e SdY_ d_d_ SXQbQSdUbYcdY_ QbQ UdUb 5F=	D24	

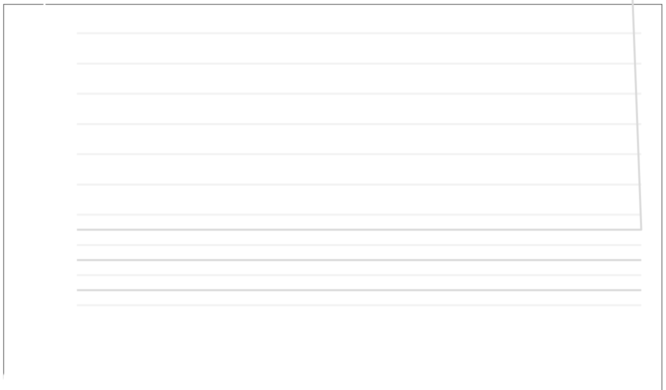
C3D b_f YUc $B_{:1}$ Q T $B_{:3}$ e RUbc _ Qc bUVUbU SU d_UcdY QdUZe SdY_ dU UbQdebUc _VdXU TUf YSUc $B_{:1}$ Q T $B_{:3}$ QbU _dQ SXQbQSdUbYcdYS _V QS QWU YcUVRed_V Q _dXUbc cdU UfU SXQbQSdUbYcdYSc ceSX Qc dXU TUcYW Q T Q _ed_VdXU bYdUT SYbSeYd R_QbT 32 _ XYSX dXU C3D (A Yc _e dUT dXUb Q QT cYU Q T U dUb Q U f Yb_ U dQ VQSd_bc DXU 32 R_QbT YcQ XUQdcY dXQdYc c_TUbUT d_dXU UQTc _VdXU C3D (A 3XQ WYWdXU TUcYW _bS_ WYebQdY _VdXU 32 R_QbT SXQ WUc dXU UWWUSdYU S _VdXU XUQdcY Q T dXUbUV_bU dXU QSdeQ $B_{:1}$ Q T $B_{:3}$

=UQceb UT _ :5C4% Q Ub 32 DXU fQeUc WYfU Y dXYc dQRU QbU _ fQYT V_b S_ QbYc_ YX _dXUb QS QWUc Q T SQ _d RU ecUT V_b TUcYW eb _cUc DXUcU f QeUc UbU SQSe QdUT Y QSS_bTQ SU YX :5C4% Q TcY e QdUT _ Qc USYWUT :5453 R_QbT DXU T_ _dbU bUcU ddXU UbV_b Q SU_RdQYUT Y Q QSdeQ Q YSQdY_

=UQceb UT _ C3D cdQ TQbT 5F= *C3D (A 4U _2_QbT edUb Q Ub _ Q T Y Ub Q Ub %_ S_ UbdXYS Ucc %
&% Q Ub 32

F9- F D:- 3 %3 d YSQ fQeU Yc dUcdUT e TUb %3

F9	UbQdYWY edf _dQWU		(	F
F9OEF<	9 edEF< DXbUcX_T 8 cdUbUcYc	F9 bYcYW	%%	F F
9C84	CXedT_ SebbU dVb_ F9 Y	5 - F	&	1
9A	AeYUcSU dSebbU dVb_ F9 Y	5 - F _ c YdSXYW 2 D CG-%F	9Ae	



6YWebU 5WSYU S 6CG- 8 F ED-%F

6YWebU 5WSYU S 6CG- 8 F ED- F

6YWebU <_QT BUWe QdY_ F9- (F F ED-%F

6YWebU % <YU BUWe QdY_ F ED-%F 9 14- 1

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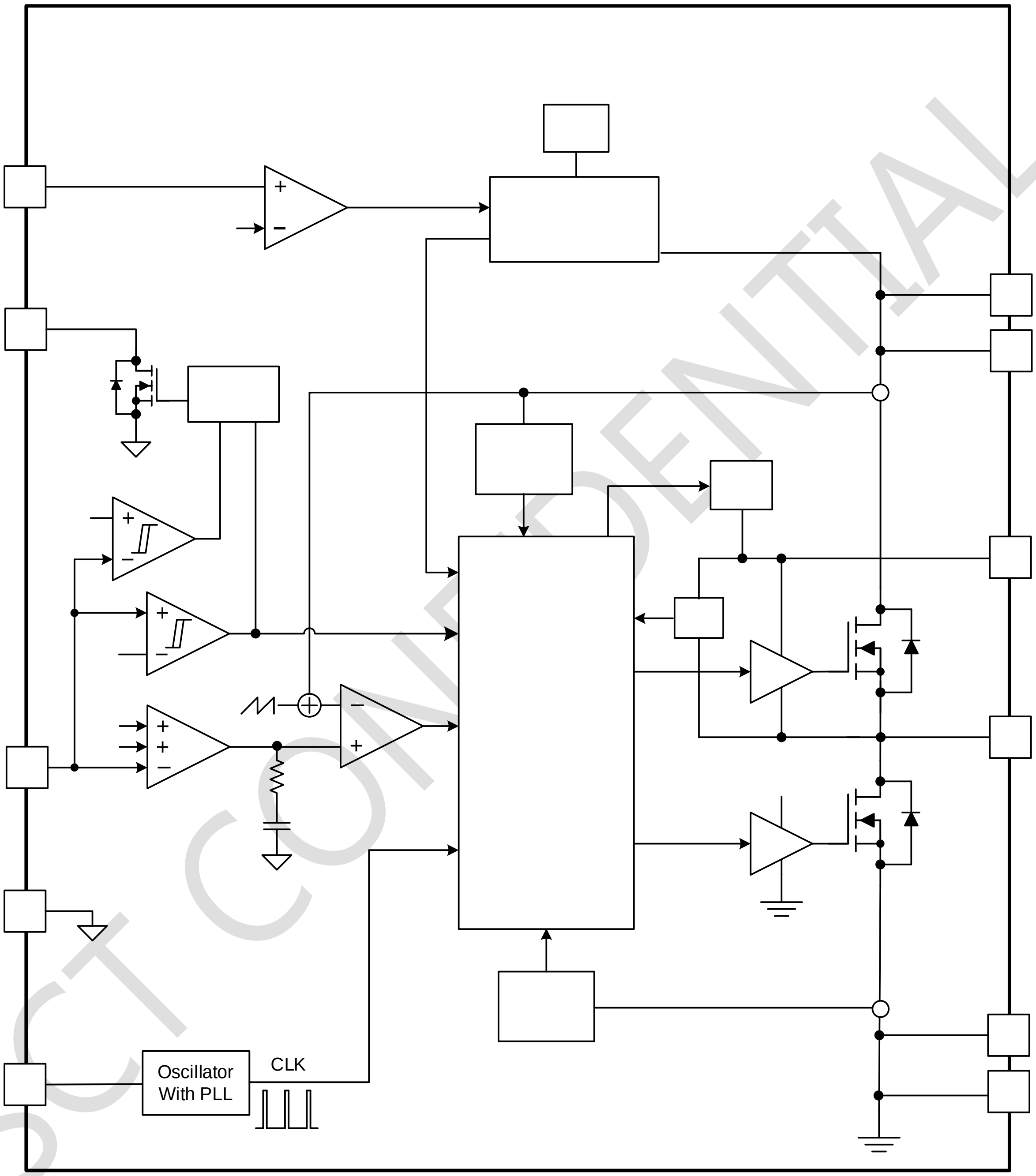
6YWebU B4C F C DU UbQdebU



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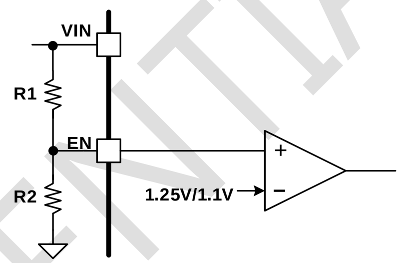
DXU C3D (A Yc U QRUT XU dXU F 9   Y f _dQWU bYUc QR_fU %&F Q T dXU 5   Y f _dQWU U SUUTc dXU U QRU dXbUcX_T _V %F DXU TUf YSU Yc TYcQRUT XU dXU F 9   Y f _dQWU VQ c RU_   %F _b XU dXU 5   Y f _dQWU Yc RU_   F 6_bdXU TUf YSU d_bU QY Y cXedT_   _TU Q   Q f _dQWU RU_   &&F d_dXU 5   Y 9 cXedT_   _TU dXU aeYUcSU dSebbU dTb_ c d_ &e1 d YSQ 1 d Q f _dQWU QR_fU   ) Q T RU_   %F dXU YdUb Q _WYS SYbSeYd Y RU deb UT _   XYSX Y S_ ce U Q SUbbQY Q _e d_VSebbU d

DXU 5   Y Yc Q XYWX f _dQWU Y Q T SQ   _dRU UVd_ U _bV_QdY W DXU cY Ucd Q d_U QRU dXU _ UbQdY _V dXU C3D (A Yc d_ S_   USd dXU 5   d_ F 9   DXYc Q _ c cUVcdQdde _V dXU C3D (A   XU F 9 Yc   YdXY dXU _ UbQdY W bQ WU

6_ bQ XYWXUb c cdU   EF< dXbUcX_T S_   USd Q U dUb Q bUcYcd_b TYfYTUb B   Q T B   cX_   Y 6YWebU) Vb_ F 9 d_ 5   DXU EF< bYcYWQ T VQ YWdXbUcX_T SQ RU SQSe QdUT R 5aeQdY_   Q T 5aeQdY_   bUc USdYfU



G XUbU*

F_{bYcU} Yc bYcYWdXbUcX_T _V F Y EF<

F_{VQ} Yc VQ YWdXbUcX_T _V F Y EF<

6YWebU) C cdU EF< R U QRU TYfYTU

DXU C3D (A bUVe QdUc dXU YdUb Q bUVUbU SU f _dQWU Qd F   YdX   d_UbQ SU _fUb dXU _ UbQdY WdU   UbQdebU Q T f _dQWU bQ WU DXU _ed ed f _dQWU Yc cUd R Q bUcYcd_b TYfYTUb Vb_   dXU _ed ed _TU d_ dXU 62   Y 9dYc bUS_   U TUT d_ ecU   d_UbQ SU _bRUddUb bUcYcd_bc EcU 5aeQdY   d_ SQSe QdU bUcYcdQ SU _VdUcYcd_b TYfYTUbc D_ Y   b_fU UWSYU S Qd YWXd _QTc QdVUb f QeU bUcYcd_bc QdU bUS_   U TUT 8_ UfUb YVdXU f QeUc QdU d__ XYWX dXU b

= C65D Yc _WQ T _ cYTU _ Ub= C65D Yc _ 1 R__dTY_TU Yc YdUWbQdUT _ dXU C3D (A TYUd_ YY YU U dUb Q S_ _ U dS_e d

DXU EF< _VXYWX cYTU= C65D WQdU TbYUb XQc QdXdUc X_T_V %F G XU dXU f _dQWU QSb_cc R__dcdbQ SQ QSYd_b Tb_ c RU_ %F 2CD EF< _SSebc dXU f _dQWU QdR__dcdbQ SQ QSYd_b Yc YceVVSYU dd_ TbYU XYWX cYTU= C65D Ve _ DXU S_ fUbdUb V_bSUc deb YW_ _ cYTU= C65D UbY_TYSQ d_ bUWbUc X dXU f _dQWU _VR__dcdbQ SQ QSYd_b d_ WeQbQ dUU dXU S_ fUbdUbc Ve SdY_

1 dQ WYU S_S WbUaeU S Ted S SU Yc Y YdUT R YY e _WdY U 4 ebYWdXU S_ TYdY_ _V_ f _dQWU TYWUbU SU Vb_ dXU Y edd_dXU _ed ed d_ QYdQY dXU _ed edf _dQWU Vb_ VQ YW dXU C3D (A U dU Tc _ dY U QcddXU U T _VdXU S_S S SU e dYdXU bUae YdUT UQ YTeSd_b SebbU d Yc QSXYUf UT DXU S_S Yc Q _ UT d_cdQbdQ U S SU _ SU UQ YTeSd_b SebbU d Yc QSXYUf UT _b _ SU Q bUTUdUb YUT Q Y e _ dY U d4 _VQ b_ Y QdU ec QccUc 1 c Q bUce d d_ U cebU dXQd dXU _ed edf _dQWU SQ RUdUb V_ _ dXU SXQ WUc Y Y ed f _dQWU XU C3D (A _ UbQdUc Y <4 Ve SdY_ dXU c YdSXYWVbUaeU S RUWYc d_ TUSbUQcU YdX Q YY e TUSbUQcU d_ (% 8 DXU YY e VbUaeU S Y YdQf_Yc _ccYRU QeTY_ YdUbVUbU SU

4 ebYWc _ _ Ub_ Q T _ Ub_WQ YSQdY_ c TeU d_dXU <4 Ve SdY_ dXU _ed edf _dQWU SQ S_cU dbQS dXU c _ U SXQ WUc _VdXU Y edf _dQWU 1 c dXU Y edf _dQWU Yc bUTeSUT d_ UQb dXU _ed edf _dQWU YU TebYWc _ YW _ Ub e Q T _ UbT_ Q YSQdY_ dXU _WdY U _VdXU XYWX cYTU= C65D cdQbdc d_Q b_QSX dXU YY e f QeU G YdX_ed<4 Ve SdY_ _TU RU _ T dXYc _YddXU c YdSXYW Q RUS_ U UbbQdYS Q T _b dXU _ed edf _dQWU Y VQ _ed_VbUWe QdY_ D_ Qf_Yd dXYc b_RU dXU C3D (A <4 _TU Qed_ QdYSQ bUTeSUc dXU c YdSXYWVbUaeU S d_ YSbUQcU dXU UWUSdYU Ted S SU Q T QYdQY bUWe QdY_

5f U YdXU Ted S SU QddXU cUd VbUaeU S Yc Y YdUT R dXU YY e _

6_bcY YlSQdY_ SX__cU Q Y edSQ QSYd_b YdX Q B=C SebbU dbQdYWWUbQdUb dXQ XQV_VdXU Q Y e _QT SebbU d

G XU cUUSdYWSUbQ YS SQ QSYd_bc Yd UUTc d_ S_ cYTUb dXU UWUSdYU fQeU _VQ SQ QSYd_b TUSbUQcYWQc dXU 43 RYQc f_dQWU QSb_cc Q SQ QSYd_b YSbUQcYW

DXU Y edSQ QSYdQ SU fQeU TUdUb YUc dXU Y edbY U f_dQWU _VdXU bUWe Qd_b DXU Y edf_dQWU bY U SQ RU SQSe QdUT ecYW5aeQdY_ Q TdXU Q Y e Y edf_dQWU bY U_SSebc Qd% Ted S SU

M ———— $\frac{M}{M}$ $\frac{M}{M}$

6_bdXYc U Q U d _ 6 H B SUbQ YS SQ QSYd_bc bQdUT V_b F Y QbQ U QdU ecUT 1 T Q 6 V_b XYWX VdUaeU S YdUbYWSQ QSYd_b Yc QSUT Qc S_cU Qc _ccYRU d_dXU TUfYSU Yc

1 6 SUbQ YS SQ QSYd_b ecd RU S_ USdUT RUd UU 2 D Y Q T CG Y V_b b_ Ub _ UbQdY_ 1 SUbQ YS SQ QSYd_b YdX H%B _bRUddUb WbQTU TYUUSdbYS YcbUS_ U TUT DXU SQ QSYd_bcX_e T XQfU Q F _b XYWXUb f_dQWU bQdYW

DXU cUUSdY_ _V_ed edSQ QSYd_b Y QWUSd_ed edf_dQWU bY U Y cdUQT cdQdU Q T _QT dbQ cYU d UbV_b Q SU

DXU _ed edbY U Yc UccU dYQ S_ _cUT _Vd _ Qbdc U Yc SQecUT R dXU YTeSd_bSebbU dbY U W_YWdXb_eWX dXU 5aeYQU dCUbYUc BUcYcdQ SU 5CB _VdXU _ed edSQ QSYd_bc Q TdXU _dXUb Yc SQecUT R dXU YTeSd_bSebbU dbY U SXQbWYWQ T TYcSXQbWYWdXU _ed edSQ QSYd_bc D_QSXYUfU c Q _ed edf_dQWU bY U SX__cU Q _ 5CB _ed ed SQ QSYd_b YU SUbQ YS SQ QSYd_b 6_b SUbQ YS SQ QSYd_bc dXU SQ QSYdQ SU T_ YQdUc dXU _ed ed bY U 6_b cY YlSQdY_ dXU _ed edf_dQWU bY U SQ RU UcdY QdUT R 5aeQdY_ TUcYWUT

M ————————————

G XUbU*

M Yc dXU _ed edf_dQWU bY U

V_{CG} Yc dXU c YdSXYWWbUaeU S

< Yc dXU YTeSdQ SU _VYTeSd_b

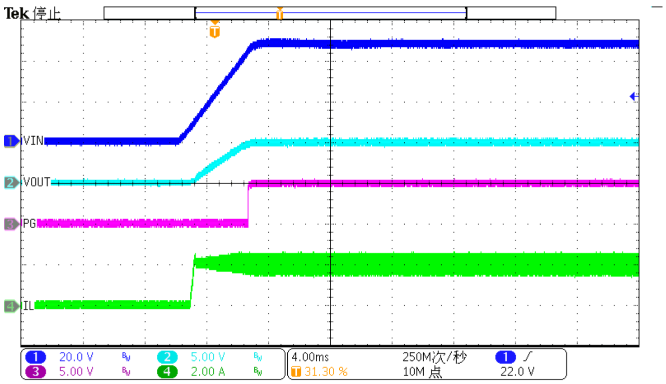
3 $_{ED}$ Yc dXU _ed edSQ QSYdQ SU

F $_{ED}$ Yc dXU _ed edf_dQWU

F$_9$ Yc dXU Y edf_dQWU

4eU d_ SQ QSYd_bc TUWbQTYWe TUb 43 RYQc dXU RYQc f_dQWU SQ cYW YSQ d bUTeSU SQ QSYdQ SU 3UbQ YS SQ QSYd_bc SQ _cU _cd_VdXUYb SQ QSYdQ SU QdbQdUT f_dQWU DXUbUV_bU UQfU QbWY _ dXU f_dQWU bQdY Wd_ U cebU QTUaeQdU UWUSdbYU SQ QSYdQ SU D YSQ d _ 6 SUbQ YS _ed edSQ QSYd_bc _b V_b _cdQ YSQdY_ c

F9- (F F ED- %F 6CG- e Ucc _dXUb YU _dUT



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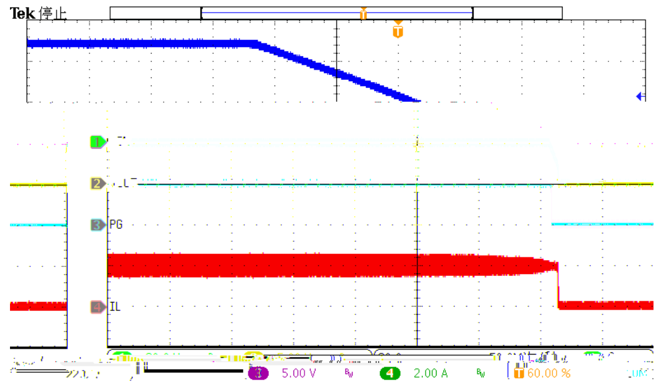

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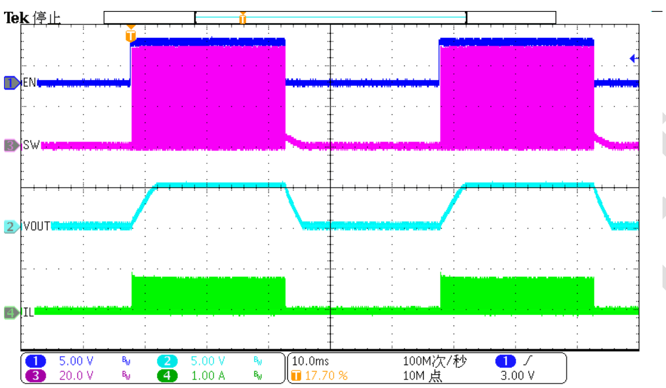

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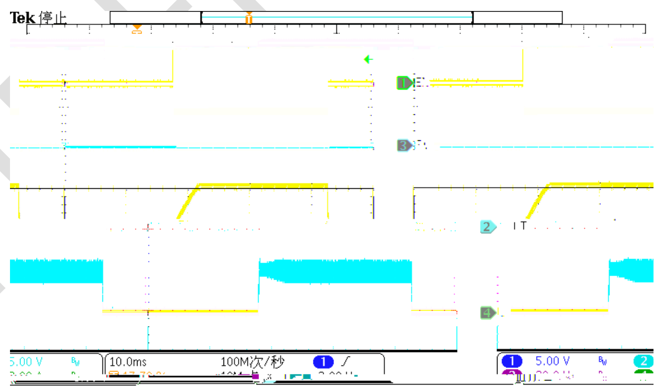

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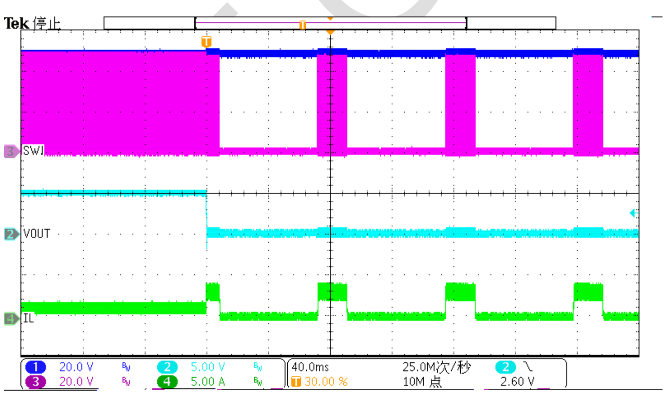

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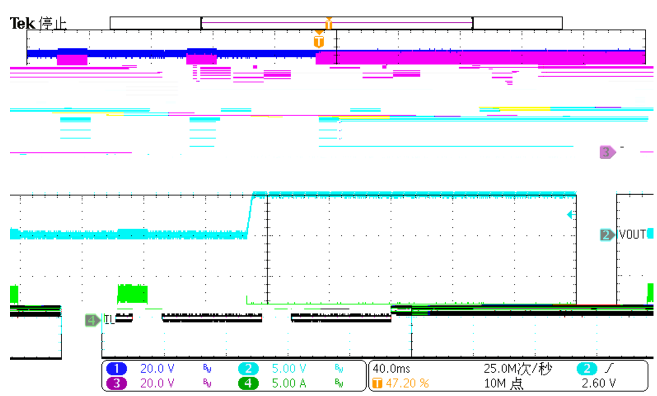

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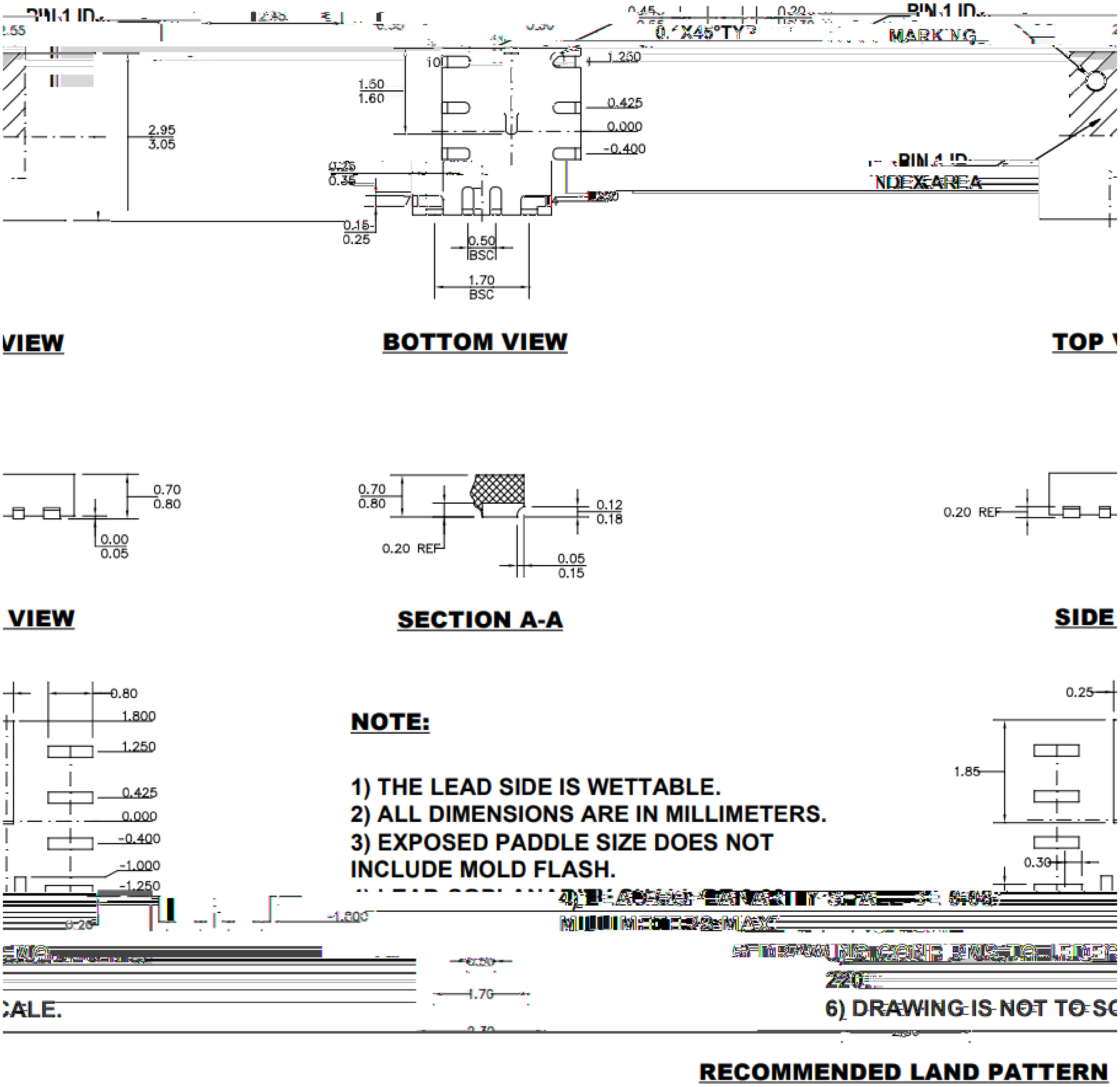
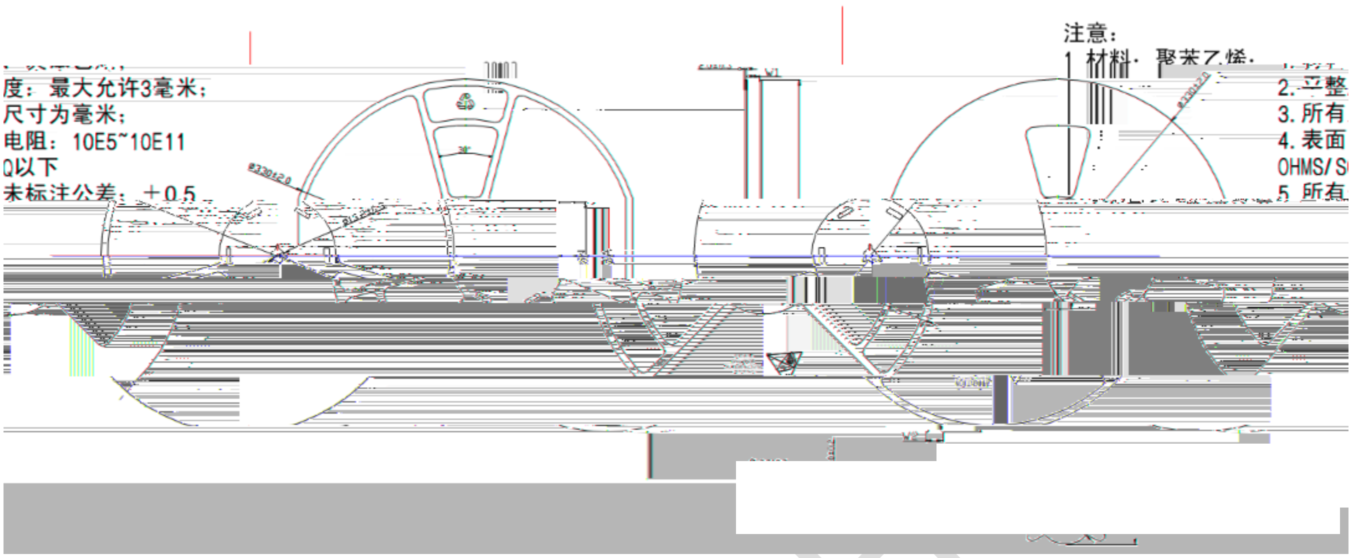


NOTE:

1) THE LEAD SIDE IS WETTABLE.
2) ALL DIMENSIONS ARE IN MILLIMETERS.
3) EXPOSED PADDLE SIZE DOES NOT INCLUDE MOLD FLASH.
4) LEAD COPLANARITY SHALL BE 0.08 MILLIMETERS MAX.
5) DRAWING CONFORMS TO JEDEC MO-220.
6) DRAWING IS NOT TO SCALE.



PRODUCT SPECIFICATIONS				
TYPE WIDTH	∅A	∅N	W1(Min)	W2(Max)
12MM	330±2.0	100±1.0	12.4	19.4
16mm	330±2.0	100±1.0	16.4	23.4
24MM	330±2.0	100±1.0	24.4	31.4
32MM	330±2.0	100±1.0	32.4	39.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]