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<		=O ROSKOXKVY MSKY MYMUPO _OXMc Y cXMR YXSIO YKXOb OXKVMYMU - YXXOM K O S Y PYW RS ZSK YQY_XN Y O aSMRSXQPO _OXMc +XOb OXKVMYMUMKXLO SXZ_ NSOMVc Y RO< ZSK ROSKOXKVY MSKY cXMR YXSIO Y ROOb OXKVMYMU PO _OXMc aSR: 66 3PNOOMONMYMUSXQONQO YZ ROYZOKSYXWYNOK_YWK SKVc O_X Y O S Y ZYQKWWONPO _OXMc
/8		/XKLVOSXZ_ Y OQ_K Y 2SSR 98 Wa 900 - KXLOMYXXOMONNSOMVc Y 38 RO KZYP O S Y NSSIO PYW 38 Y18. MYXXOMSXQ/8 ZSKMKXKNT_ ROSXZ_ YWKQO WMUY_ RORYWM. YXY PYK
38		3XZ_ _ZZVc Y ROMYX O O - YXXOM K RSSR _KVSc LcZK MKZKMSY Y MKZKMSY PYW RS ZSK Y:18. 6Ya SWZONKXMOMYXXOMSYXW_ LOZY SIONY 38
:18.		3XOXKVZYaOQY_XN - YXXOM Y c OWQY_XN 6Ya SWZONKXMOMYXXOMSYXW_ LOZY SIONY:18. - YXXOM K RSSR _KVSc LcZK MKZKMSY Y MKZKMSY PYW RS ZSK Y 38
=A		<OQ_K Y aSMRSXQY_Z_ - YXXOM=A YKXOb OXKVZYaO SXN_MY

9 O YZOKSXQPOOKS OWZOK _ O KXQO _XO YROaSOXYON

38	3XZ_ YWKQO KXQO			
9	9 _Z_ YWKQO KXQO			
4	9ZOKSXQT_XMSYX OWZOK _O			-

/=.	2_WKX, YNc7YNOV2,7 ZO+8=34/./-4= ZOMBSMKSYX KWZSX			U
	-RKQON. O SMO7YNOV-.7 ZO+8=34/./-4= ZOMBSMKSYX KWZSX			U

< 4+	4_XMSYX YKWLSOX ROWKVO S KXMO	, .	
4	4_XMSYX Y YZMRK KMOSMK SYX ZK KWOO	, .	
4,	4_XMSYX Y LYK N MRK KMOSMK SYX ZK KWOO	, .	
< 4- YZ	4_XMSYX YMK O ROWKVO S KXMO	, .	- A
< 4,	4_XMSYX Y LYK N ROWKVO S KXMO	, .	
< 4+I/7	4_XMSYX YKWLSOX ROWKVO S KXMO /7	, .	
4I/7	4_XMSYX Y YZMRK KMOSMK SYX ZK KWOO /7	, .	

=- ZY SIO < 4+ KXN < 4- X_WLO YXVK OPOOXMO YO SWKOT_XMSYX OWZOK _O YP RONOSMO < 4+ KXN < 4- K OXY K MRK KMOSSMYPZKMUKQOS OPPL_YPWKXc YRO c OWVO OMRK KMOSSM _MRK RONOSOXKXN VKcY_YP ROZSKONMSM_S LYK N : -, YXaRSMR RO=- S WY_XON RO WKVZKN SIO KXN Ob OXKVOX SYXWOXKVPKMY RO: -, LYK N S K RCK SKU RK S YWOON Y ROVZKN YP RO=- -RKXQSKQ RONO SOXY MYXPSQ_K SYX YP RO: -, LYK N MRKXQO ROOPPSMOXMc YP RO RCK SKUKXN ROOPY O ROKM_KV< 4+ KXN < 4-

7OK _ONYX4/=. VKcO: -, RO KVO QSOXSK RS KLVOK OYXVc KVSNPY MYWZK SYXaSR YRO ZKMUKQO KXN MKXXY LO_ ONPY NO SOXZ_ZY O ROO KVO aOOMKWL_K ON SKKMMYNKXMOaSR4/=. KXN SW_K ON YXK ZOMBSON4/./- LYK N ROc NY XY OZ O OX ROZOPY WKXMOYL KSXON SKKXKM_KVKZZVSK SYX

7OK _ONYX=- KXNKN/7 =- .OWY, YK N 9_O VKcO YdKXN SXXO VKcO YdMYZZO RSMUXO WWb WW VKcO: -,

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	9 ZOK SXQ SXZ_ YVKQO			
69	3XZ_ 69 R O RYW 2c OO S	SSXQ		W
=R_NYa XM_ OX PYW ZSX		/ 8		+
SD MOX M OX PYW ZSX		/ 8 XYX a SVRSXQ , 9 9 =A		

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S

0SQ_O /PPSMSOXMc 0=A U2d 9

0SQ_O /PPSMSOXMc 0=A U2d 9

0SQ_O 6YKN<CQ_WKSYX 38 9

0SQ_O 6SXO<CQ_WKSYX 9 3 69+. +

0SQ_O _SDMOXM_OX = OWZOK_O

0SQ_O <.=98 = OWZOK_O

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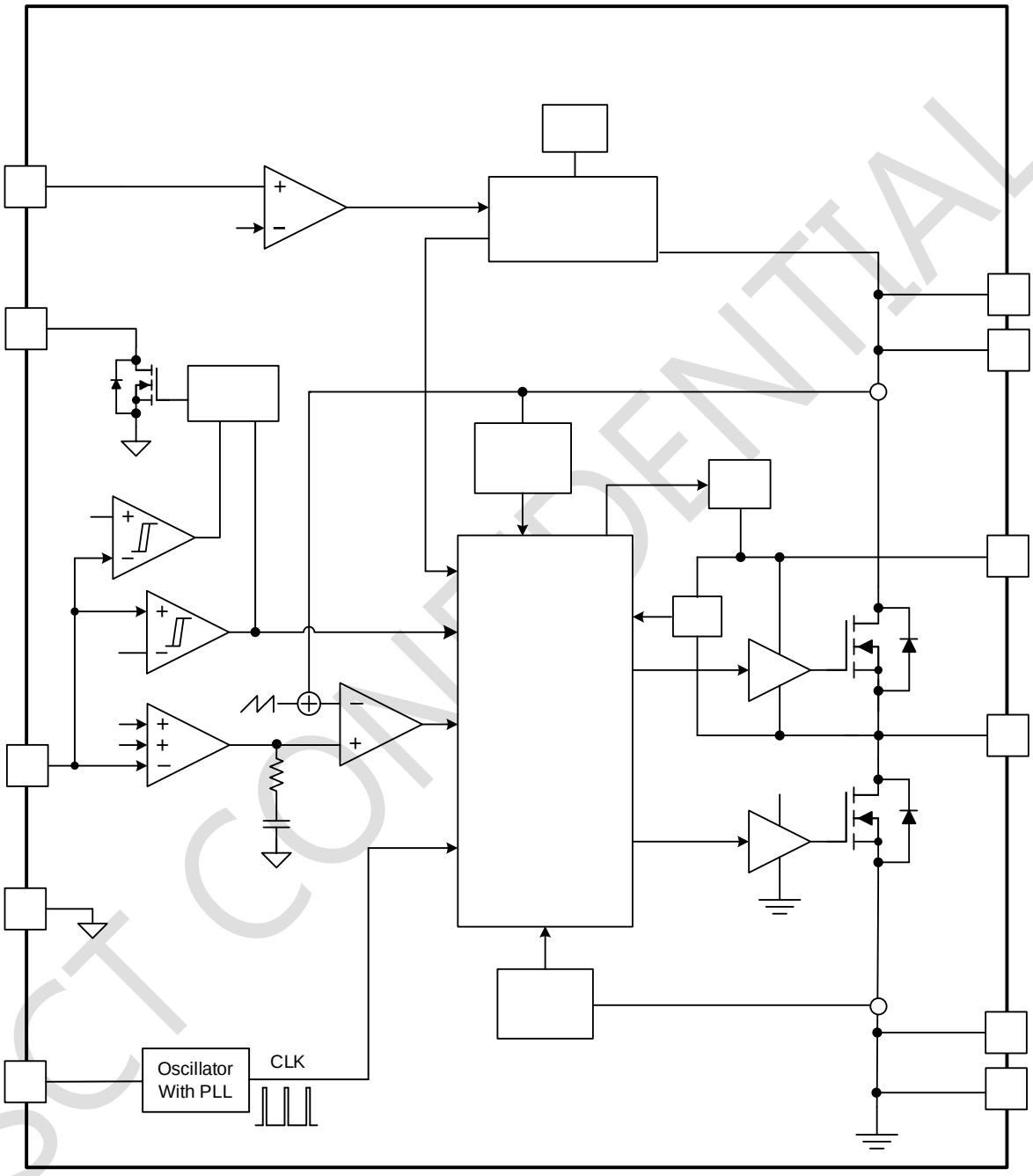

0SQ_O 0_XMSYXKV, YMU. SKQKW

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RO=- S K SXZ_ + Y_ Z_ / 7 3PSDXNVc cXMR YXY_ L_MUMYX O O a SRL_SVSK W <N YX
RSQR SNO KXN W <N YX Wa SNO ZYa O 7 9 = 0/ 3 SWZWDWOX MYX KX PO _OXMc ZCKU M_ OX WYNO
MYX YV Y OQ_WK O Y_ Z_ YWKQO Z Y SNSXQ

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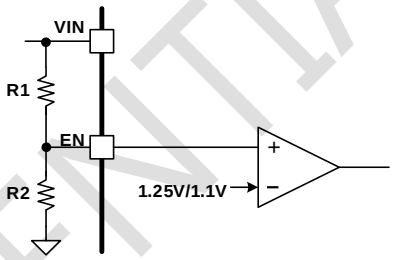
RO=- S OXKLVZN a ROX RO 3B ZSX YVKQO SO KLY O KXN RO/8 ZSX YVKQO Ob MDON ROOXKLVZ
R O RYWN YP RONO SMD S NSKLVZN a ROX RO 3B ZSX YVKQO PKW LOWa Y a ROX RO/8 ZSX YVKQO
S LOWa 0Y RONO SMD Y OWKSX SX R_NYa X WYNO KZZVc K YVKQO LOWa Y RO/8 ZSX 3X R_NYa X
WYNO RO _SD MDX M_ OX N YZ Y _+ cZSMKV + K YVKQO KLY O KXN LOWa RO SX O XKVWYQSM
MSM_S a SWLO _ XON YX a RSMR a SWMYX _WOK MD KSX KWY_X YPM_ OX

RO/8 ZSX S K RSQR YVKQO ZSX KXN MKXXY LO VZP YZOX Y PWK SXQ RO SWZVZ a Kc Y OXKLVZ RO YZOK SYX YP
RO=- S Y MYXXOM RO/8 Y 3B RS KWYa OWP K _Z YP RO=- a ROX 3B S a SRSX RO
YZOK SXQ KXQO

0Y K RSQRO c OW 69 R O RYWN MYXXOM KX Ob O XKVO S Y NSSNO < KXN < RYa X SX 0SQ_O PYW 3B
Y/8 RO 69 SSXQ KXN PKWSXQ R O RYWN MKX LO MKWM_WK ON Lc / _K SYX KXN / _K SYX O ZOMSOVc



A ROO

SO S SSXQ R O RYWN YP SX 69

PKW S PKWSXQ R O RYWN YP SX 69

0SQ_O =c OW 69 Lc OXKLVZ NSSNO

RO=- OQ_WK O RO SX O XKV OPO OXMD YVKQO K a SR YVZ KXMD Y O RO YZOK SXQ OWZOK _O
KXN YVKQO KXQO RO Y_Z_ YVKQO S O Lc K O S Y NSSNO PYW RO Y_Z_ XYNO Y RO 0, ZSX 3 S
OMYWWOXNON Y_O YVZ KXMD Y LO O O S Y O/ _K SYX Y MKWM_WK O O S KXMD YP O S Y NSSNO
Y SWZ Y O OPPSMSOXMc K VSQR WKN WK QO KV_O O S Y K O OMYWWOXNON 2Ya O O SP RO KV_O K O YY RSQR
RO OQ_WK Y a S

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7 9 = 0 / S YPPKXN Wa SNO ZYa O 7 9 = 0 / S YX + LYY NSYNO S SX OQ K ON YX RO = - NSO Y WSXSWSNO
Ob O XKVMYWZYXOX MY_X

RO 69 YPRSQR SNO 7 9 = 0 / QK ON SO RK K R O RYWN YP A ROX RO YVKQO KMY LYY KZ MKZKMSY
N YZ LOWa , = 69 YMM_ RO YVKQO K LYY KZ MKZKMSY S SX _PPSMSOX Y N SO RSQR SNO 7 9 = 0 /
P_Wc YX RO MYX O O PY MO _ XSXQ YX Wa SNO 7 9 = 0 / WUZO SMKSMKWWY. 9 POPPORO - YVKQO WPLYPcK KZ MKZKMSYKW
Y Q_K KOXNO RO MYX O O P_XMSYX L XQMY c XS

+ K QSOX MYMUPO _OXMc N_c McMOS WSWSON Lc WSXSW_W YPP SWO 8 _ SXQNRO MYXNSSYXSNOP Wa OXYVKQO NSPO OXMO
PYW RO SXZ_ Y RO Y_Z_ Y WKSXKSX RO Y_Z_ YVKQO PYW PKWSXQ RO = NONKONOQ YSWa OXN YXYSSWO ZK RO
OXN YPWSXSMYMU McMO _X SVRO O _SON ZOKU SXN_MY M_ OX S KMRSO ON RO MYMU S KWa ON Y K K XOa McMO
YXMO ZOKU SXN_MY M_ OX S KMRSO ON Y YXMO K Z ONO O WSXON WKbSW_W YX SWO 6. 9 YPRO ZOYbSWK Ovc _
ZK O + K O _V Y8OX _O RK RO Y_Z_ YVKQO MKX LO O PYWa RO MRKXQO SX SXZ_ YVKQO a ROX
= - YZO K O SX 6. 9 P_XMSYX RO a SMRSXQ PO _OXMc LOQSX Y NOMOK O a SR K WSXSW_W NOMOK O Y
H2d RO WSXSW_Wc PO _OXMc cWSSK YSN ZY SLVOK_NSY SX O PO OXMO

. _ SXQ Wa ZYa O YX KXN ZYa O YPPKZZWSMK SYX N_O Y RO 6. 9 P_XMSYX RO Y_Z_ YVKQO MKX MY Ovc KMU RO
WYZO MRKXQO YP RO SXZ_ YVKQO + RO SXZ_ YVKQO S ON_MON Y XOK RO Y_Z_ YVKQO SQ N_ SXQ Wa SXQ Yl
ZYa O _Z KXN ZYa O NYa XKZZWSMK SYX RO YPP SWO YP RO RSQR SNO 7 9 = 0 / K YKZZ YKMR RO WSXSW_W KV_O
A SRY_ 6. 9 P_XMSYX WYNO LOcYXN RS ZYSX RO a SMRSXQ WKc LOMYWO O K SMKXN Y RO Y_Z_ YVKQO a SWPKW
Y_ YP OQ_WK SYX Y K YSN RS Z YLVOW RO = - 6. 9 WYNO K_ YWK SMKWc ON_MO RO a SMRSXQ PO _OXMc
Y SXMOK O RO OPPOMSON_c McMO KXN WKSXKSX OQ_WK SYX SY SXZ NO XY NO NO G NO N

/ OX SP RO N_c McMO K RO O PO _OXMc S WSWSON Lc RO WSXSW_W YX

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0Y SWZVSSMK SYX MRYY O KX SKZ_ MKZKMSY a SR KX <7 = M_ OX K SKQ Q OK O RKX RKVP YP RO WKbSW_W VYKN M_ OX

A ROX OVZMSKQ MD KWSMMKZKMSY S XCON Y MYX SNO RO OPPCMSO KV_O YPK MKZKMSY NOMOK SKQ K RO. - LSK YVKQO KMY K MKZKMSY SKMOK SKQ

RO SKZ_ MKZKMSKXMD KV_O NOO WSKO RO SKZ_ SZZVD YVKQO YP RO OQ_VK Y RO SKZ_ YVKQO SZZVD MKX LO MKVM_VK ON _ SKQ / _K SYX KXN RO WKbSW_W SKZ_ YVKQO SZZVD YMM_ K N_c McMVD

_____ _____ _____

0Y RS ObKWZVD a Y 0 B < MD KWSMMKZKMSY K ON PY SK ZK KVDVK O _ ON + XN K 0 PY RSQR PO _OXMc PSVO SKQ MKZKMSY S ZVKMON K MY OK ZY SLVD Y RO NO SMD ZSK

+ 0 MD KWSMMKZKMSY W_ LO MYXXOMON LO a COX , 9 9 ZSK KXN = A ZSK PY Z YZO YZO K SYX + MD KWSM MKZKMSY a SR B < Y LO O Q KNO NSOVDM SMS OMYWWOXNON RO MKZKMSY RY_VN RK OK Y RSQRO YVKQO K SKQ

RO OVZMSYX YPY_ Z_ MKZKMSY a SWKPPCM Y_ Z_ YVKQO SZZVD SK OKNc K O KXN VYKN KX SOX ZO PY WKXMD

RO Y_ Z_ SZZVD S O OX SKVc MYWZY ON YP a Y ZK 9 XO S MK_ ON Lc RO SKN_MY M_ OX SZZVD QYSKQ R Y_QR RO / _SKVDX = O SD <O S KXMD / =< YP RO Y_ Z_ MKZKMSY KXN RO Y RO S MK_ ON Lc RO SKN_MY M_ OX SZZVD MRK QSKQ KXN NSMRK QSKQ RO Y_ Z_ MKZKMSY Y KMRSO O WKVY_ Z_ YVKQO SZZVD MRYY O K Va / =< Y_ Z_ MKZKMSY VSUO MD KWSMMKZKMSY 0Y MD KWSMMKZKMSY RO MKZKMSKXMD NYWSKK O RO Y_ Z_ SZZVD 0Y SWZVSSMK SYX RO Y_ Z_ YVKQO SZZVD MKX LO O SWK ON Lc / _K SYX NO SON

_____

A RO O

S RO Y_ Z_ YVKQO SZZVD

P=A S RO a SMRSKQ PO _OXMc

6 S RO SKN_MKXMD YP SKN_MY

- 9 S RO Y_ Z_ MKZKMSKXMD

9 S RO Y_ Z_ YVKQO

38 S RO SKZ_ YVKQO

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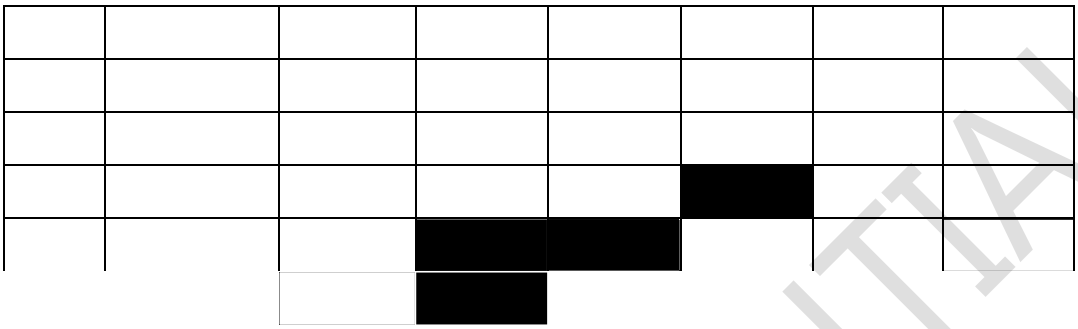
. _O Y MKZKMSY NOQ.KNSXQ _XNO . - LSX RO LSX YVKQO MKX SQXSSMKX V: ON_MO MKZKMSKXMO - OKWSM
MKZKMSY MKX VY O WY YP ROS MKZKMSKXMO K K ON YVKQO RO OPY O VZK O WK QSX YX RO YVKQO K SXQ Y
OX _ OKNO _K OOPPOMSOMKZKMSKXMO cZSMKW: a Y 0 MO KWSMY_Z_ MKZKMSY a Y UPY WY KZZVSMK SYX



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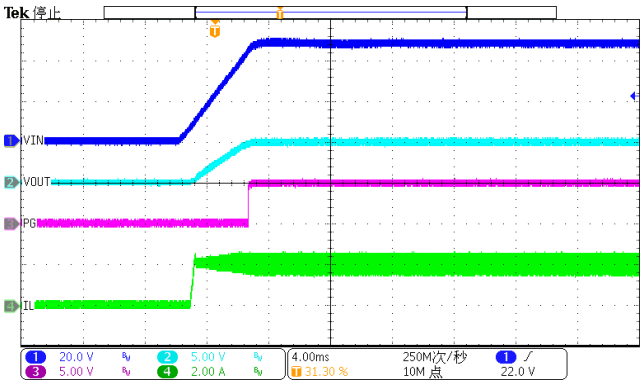
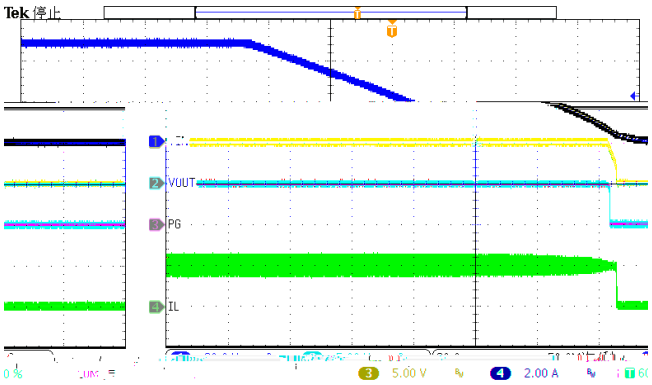


0SQ_O : YaO _Z 3₈₉₊. +



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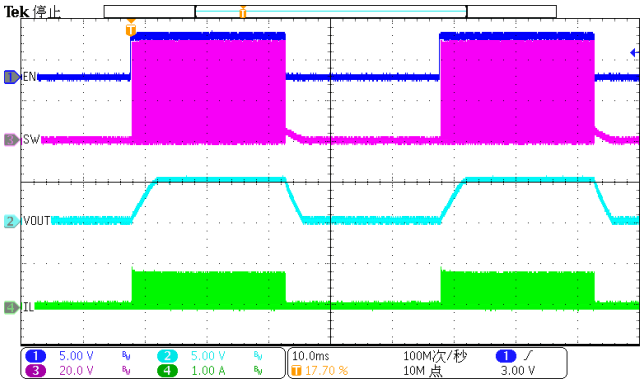
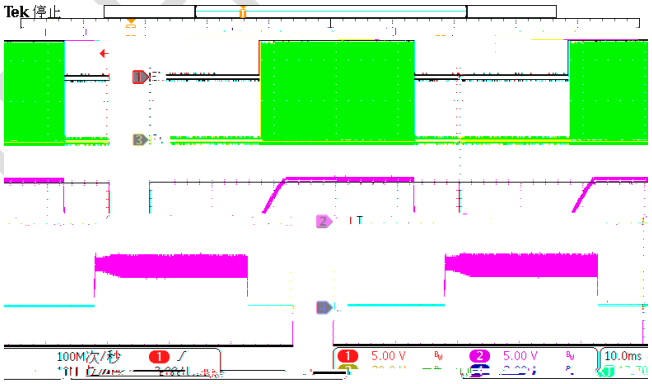


0SQ_O /8 YQQXØ 3₈₉₊. +



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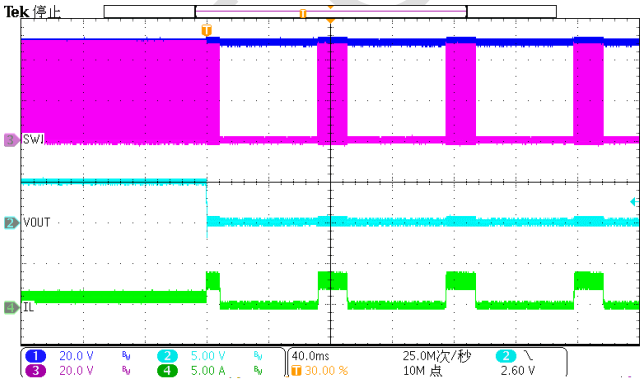
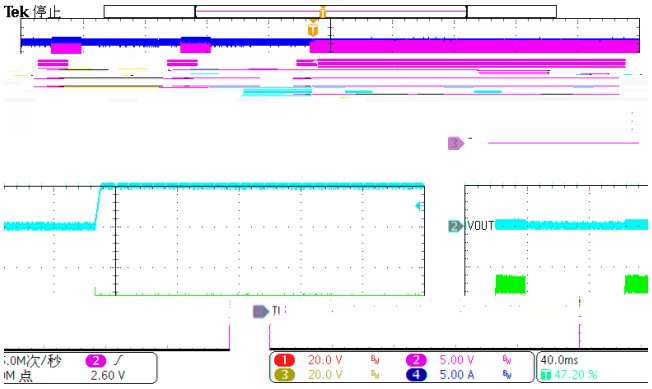


0SQ_O 9 O-_ OX: YOMSYX + YRKN RY



0SQ_O 9 O-_ OX <OØK O RKN RY Y +

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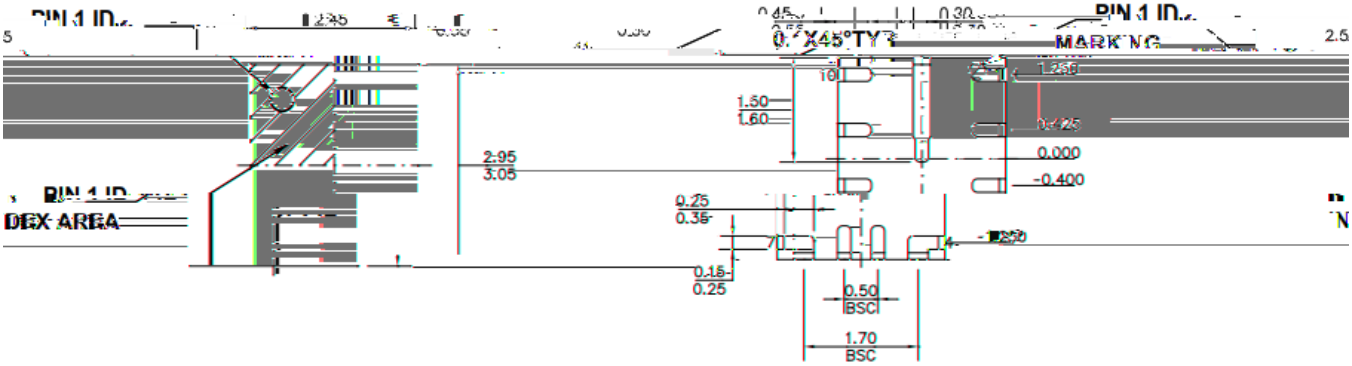
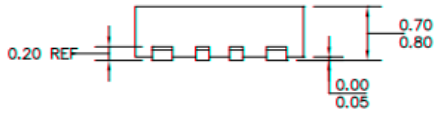
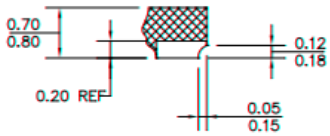
S

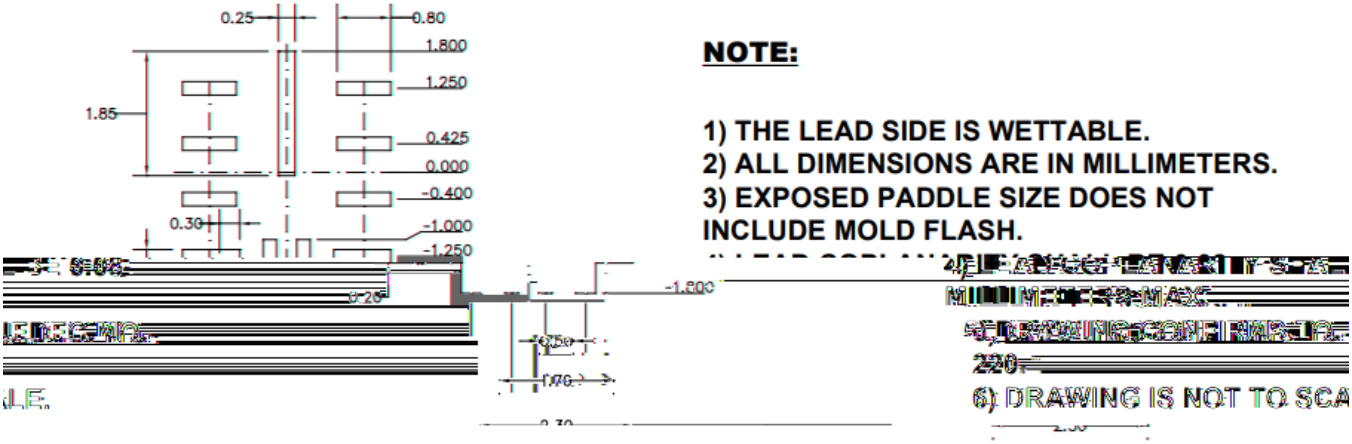


TOP VIEW **BOTTOM VIEW**





SIDE VIEW **SECTION A-A**



NOTE:

1) THE LEAD SIDE IS WETTABLE.
2) ALL DIMENSIONS ARE IN MILLIMETERS.
3) EXPOSED PADDLE SIZE DOES NOT INCLUDE MOLD FLASH.

RECOMMENDED LAND PATTERN