

REVISION HISTORY

EFK 1GX el dYij fi gi mfl j i mj fej dXp i ifd gX el dYij ek_ Zii ek mij fe
I mj fe (%lI cXj kf DXb k

DEVICE ORDER INFORMATION

J: K) () =k8l	KXg l c	*	) ()	/	=: KH=E(%O) / C	(
J: K) () KK9l	KXg l c	*	) ()	/	=: JFK) * / C	(

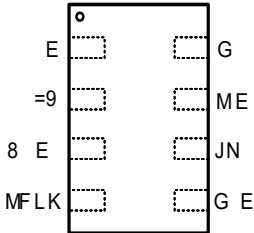
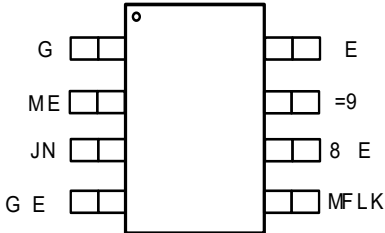
ABSOLUTE MAXIMUM RATING

Fmifg iXke i Xik dg iXli lecjjfk in j efk (

ME# E#G #MFLK#JN #9	%	-	M
Fg iXke aeZkfekd g iXli KA)	+	(,	:
JkfiX k dg iXli Kjk	-,	(,	:

(Jk j j j Ypfe kfj cjk le i8Yfdk DXodld l Xke dXp Zl j mZ gidXe ek XdX %K_ mZ j efk lXk ek kf
leZkfe flkj f kj l Zdd e Fg iXkfe: fe kfej %
) K_ : eZt jfmik dg iXli gifk Zkfe kf gifk Zk_ mZ lie fmi dX Zfe kfej %A eZkfekd g iXli n oZ (, : n_e
fmik dg iXli gifk Zkfe j XZkm % fekelfl j fg iXkfe XYfm k_ jg Z dXodld fg iXke aeZkfekd g iXli n ei lZ
c kd %

PIN CONFIGURATION

 KfgM n1=: KH=E(%O) / C#GxjkZ	 KfgM n1=: JFK) * / C#GxjkZ
--	--

PIN FUNCTIONS

E	(	/	eXYc d Z egl k% fee Zk_ _kf eXYc mZ %
=9	)	.	emike egl kf k_ iifi Xd gc i% fee ZkXnf dX m i ifd k flkl kf k j ge kf j kflkl knf dX %
8 E	*	-	8eXf ifle ge%
MF LK	+	,	Flkl kGeXe jZ_Xi ge%
G E	,	+	Gfn i ifle ge%
JN	-	*	Jn kZ_ flkl k%JN j imel g kf ME kifl _k_ _j gfn i DFJ= K lie fekd %K_ elZfi Ziiek imj JN kf e Xkm nf dX kifl _ d n j gfn i DFJ= K lie f kd %
ME	.	)	Gfn i jlgg egl kg e%
G	/	(	Gfn i ff e Zkf i%K_ flkl kf G j Xe fg e iXek_Xk Zfee Zj kf ME mX Xe ek ieXcgl dgi j jkf i%G f j _ k_ flkl knf dX j n k_e (f k_ efd eXcnf dX %

RECOMMENDED OPERATING CONDITIONS

Fmifg iXe i Xik dgiXi iXe lecjjfk_inj efk

ME	eglnkf &X iXe	) %	, %	M
MLK	Flkglnkf &X iXe	%	,	M
KA	Fg iXe d eZkfek dg iXi	+	(),	:

ESD RATINGS

MJ	ldXe9f pDf c 9D #gi8EJ A : AJ () (+ jg Z Zkfe#Xcgej (	)	)	bM
	: _Xi mZ Df c: D #gi8EJ A : AJ)) (+jg Z Zkfe#Xcgej)	(	(	bM
(9D Xe : Djk jje Xi fe eXZfi XeZ nk_k_ 8EJ &J 8&A : AJ () (+jg Z Zkfe				

THERMAL INFORMATION

l A8	Al eZkfe kf Xd Y ekk_id Xci j jkXeZ (	0(%	

ELECTRICAL CHARACTERISTICS

ME4, M#K4 + : u(), : #pgZXmXd j Xi kjk l e i), : %

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ME	Fg iXke egl krf dX		) % , %	M
MEVLMCF	egl kLMCF pjk i j j	ME i j e	) %) %,)	M dM
J	J_l k fneZ ii ek		% ,) %	l 8
H	HI jZ ekZ ii ek ifd ME	ef dX #ef jn kZ_e	*) +	l 8
M=9	l i eZ nf dX f =9	Ka4), :	%0+ % % -	M
=9	=9 ge cXbX Z ii ek		/	e8

l J	_j jn kZ_fei j jkXeZ		/ ()	d
l cJ	Cfn j jn kZ_fei j jkXeZ		, ,	d
CD J	_j g XbZ ii ekcd k		) %) *% *%/	8
CDcJ	Cfn j g XbZ ii ekcd k		) % *	8
CDvCJ E	CJ e Xkm Z ii ekcd k	=ifd iXekf jfliZ	(%	8

KJJ	Jf kjkXkK d		(%	d J
-----	-------------	--	-----	-----

EN & PG

ME	_cm cK_i j_fc nf dX		(%	M
MEC	Cfn cm cK_i j_fc nf dX		%	M
l E	E Gl c fnei j jkXeZ		(%*	D
l J	Fl kgl k jZ_Xi i j jkXeZ		) +	
MG KC	Gfn i ff Cfn i K_i j_fc nf dX	=9 i e j e l i eZ kf M=9	0(	
		=9 Xce l i eZ kf M=9	/ -	
MG K	Gfn i ff Lgg i K_i j_fc nf dX	=9 i e j e l i eZ kf M=9	(()	
		=9 Xce l i eZ kf M=9	(.	
G VJ EB	Gfn i ff J eb: l i i ek : XgXYdp	MG 4 %M	(	d 8
l G	Gfn i ff ek i eXcG cl g i j j k f i		, ,	B
KG	Gfn i ff dXp		(	l J

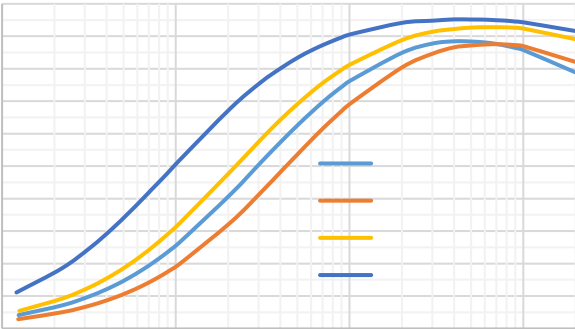
=JN	Jn kZ_e i hl eZp	Me4, M#Mf l k4(%M# : D	)	D q
kEVD E	D ed l d f e k d (		-	ej
k==VD E	D ed l d f k d (		(	ej

KJ	K_id Xcj_l k fne k_i j_fc (		(-	:
	pjk i j j (		)	:

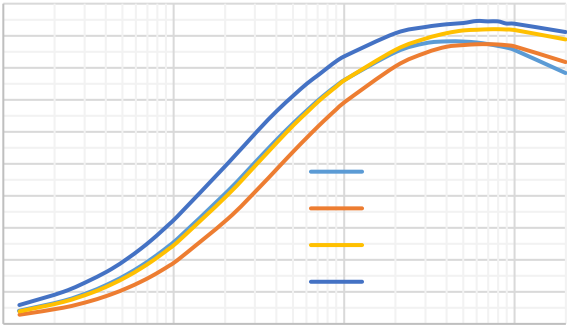
Efk j1

(l XiXek Yp jXd gc Z_XiXZk i qXkf e%Efkk jk e gif l Zkf e%

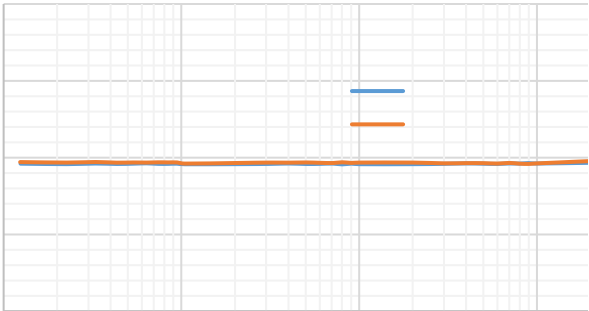
TYPICAL CHARACTERISTICS



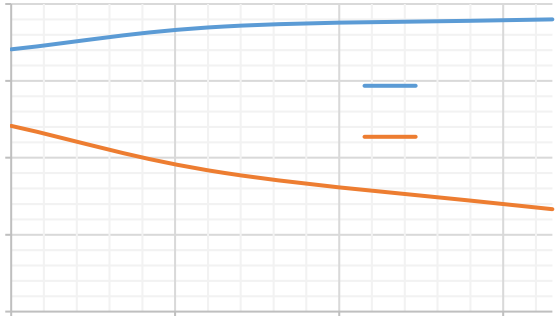
= Ii (% Z eZp nj Cf X : Iii ek fi =K8l



= Ii) % Z eZp nj Cf X : Iii ek fi KK9l



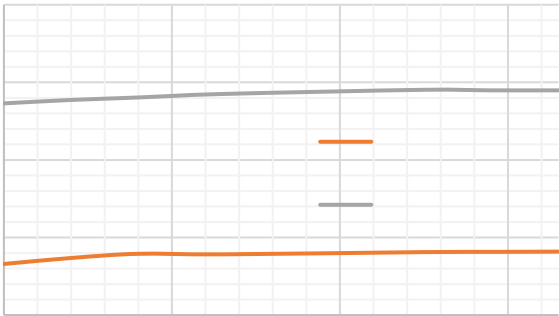
= Ii * % Cf X l l kfe



= Ii + % Iii ek od knj K dg iXli

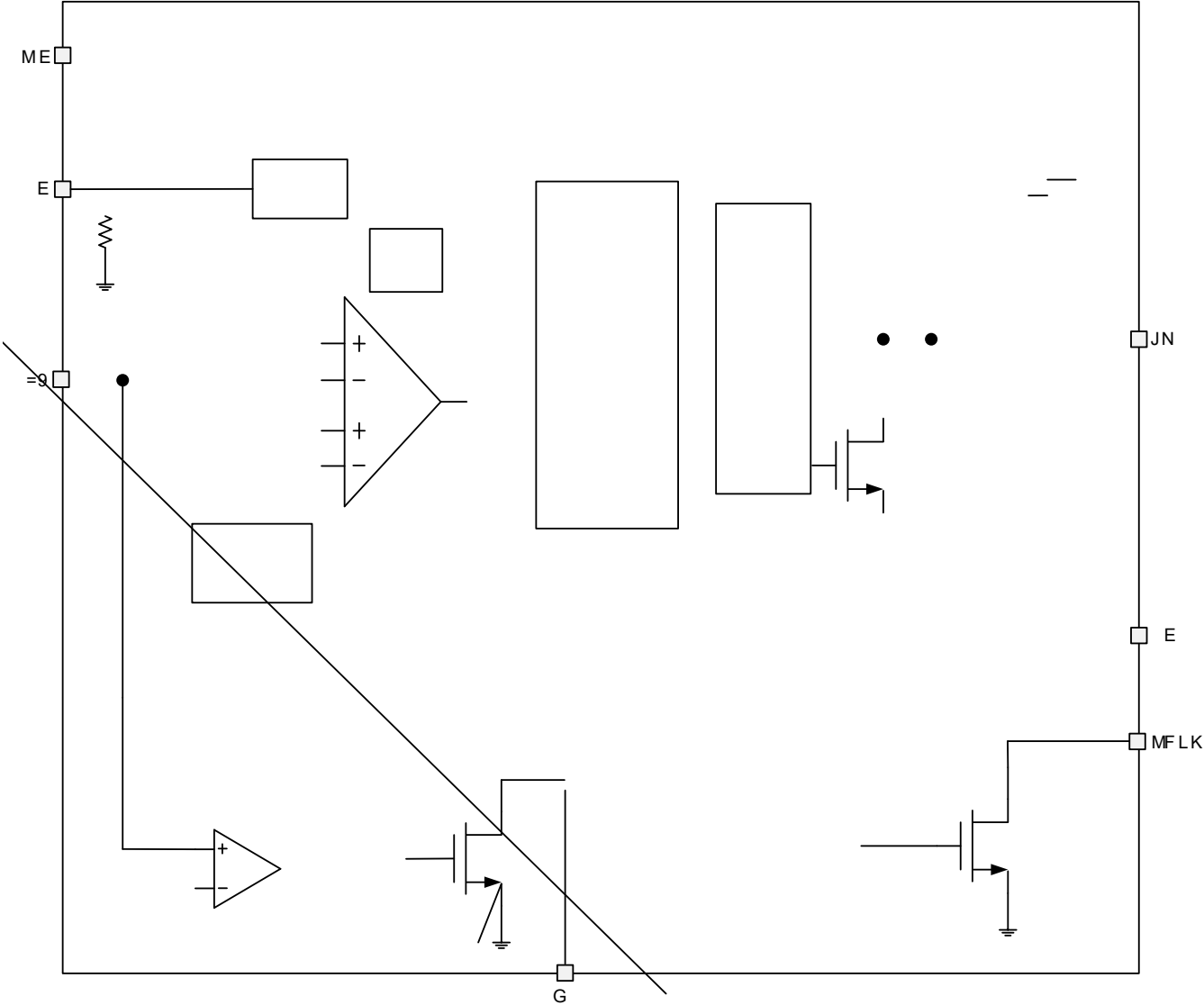


= Ii , % M=9 nj K dg iXli



= Ii - % L MCF nj K dg iXli

FUNCTIONAL BLOCK DIAGRAM



OPERATION

K_ J: K()) j X) %M, %M egl k# 8 fl kgl k# peZ_ if efl j Y Zb Zf em i k i n k_ Y & e/ d _ _ j Xe , d
dn j gfn i DFJ= Kj%k dgc d ekj Zfej kXekfekd Zfekifck i lXk fl kgl knf &X #gifm e oZ &ek
ce Xe dX kiXej eki jgfej %

K_ mZ fg iXk j e=fiZ glq n k_df lXkfedf Xkc_kdX e kf Cfn fl kgl ki ggc g i fid XeZ %K_
hl jZ ekZ ii ek j lpg ZXp*) l8le ief dX %K_ J: K()) Xli j Xe ek ieXc(%dj jfkjXkkd kf Xnf
Xl eil j_Z ii ekXe fl kgl knf &X fmij_ffk lie jkXl g%K_ J: K()) _Xj X Xl & egl kjXkl gnf &X
f) %Mn k_) dM_pjki jj%

K_ J: K()) mZ j) % , %M egl k# 8 fl kgl k# peZ_ if efl j j k g fne Zf em i k i j n k_ ek ieXcgfn i DFJ= Kj %
: fejkXekfekd : FK Zfekifcj dgdp kf gifm XjkkXej eki jgfej Xe Xjp dfgjkXYqXkfe%8kk_
Y eee f XZ_ZpZc #k_ _ j DFJ= Kj klie fe fiX o fe j_fkkd FEkd gif %K_ fe j_fk
kd j ZXZl Xk Yp k_ Zf em i k i j egl knf &X ME Xe k_ fl kgl knf &X MFLK ZpZc Yp ZpZc YXj kf
dXekXeXgj l f o i hl eZp fmik_ egl knf &X iXe %J: K()) kiej f _ _ j DFJ= KXkik_
o fekd Xe kiej fek dn j DFJ= K%J: K()) kiej f k_ dn j DFJ= KfeZ k_ fl kgl knf &X
ifgg Y dn k_ fl kgl ki lXkfe#k_ fe j_fkkd ik_ ei j kXe k_ _ j DFJ= Kj klie feX Xe%
K_ fekd j emij p gifgikfeXdf k_ egl knf &X Xe gifgikfeXdf k_ fl kgl knf &X %kZXeY ZXZl Xk
lje k_ f d n e hl Xkfe (1

N _ i 1

M=LK j k_ fl kgl knf &X %
ME j k_ egl knf &X %
=JN j k_ jn kZ_e i hl eZp%

8kiXeFEkd gif #k_ i lXkfi f j ekf k_ F==kd gif %K_ F==kd gif cek_ g e j feM=9
edfjkZXj j%kn &e n_ ek_ =9nf&X Z Xj j Y dn %M#Xkn_Z_gfekf FEkd gif jki i %
k_ F==kd gif j cjj k_Xek_ dedld F==kd #k_ dedld F==kd n &Y Xggc #n_Z_j Xifle
(ej lpg ZX%

K_ J: K()) _Xj X(l p ZpZc df %N_ ek_ egl knf &X iXlXp XggifXZ_j k_ fl kgl knf &X #k_
l p ZpZc j Xl Xe i XZ_j k_ dedld kiej kd (eJ #k_ jn kZ_e i hl eZp f k_ fl kgl knf &X
Y ej kf Z Xj %N_ ek_ egl knf &X ifgj kf k_ jXd cm cXj k_ fl kgl knf &X #k_ _ _ j DFJ= K
i dXej Zfej kXekfe%

K_ J: K()) i lXk j k_ ekieXci i eZ nf&X Xk %M%K_ fl kgl knf &X j j kYp Xi j j kfi m i ifd
k_ fl kgl kef kf k_ =9ge%kji Zdd e kf l j (kf ciXeZ fi Y kii j j kfi j %j hl Xkfe) kf ZXZl Xk
i j j kXeZ f i j j kfi m ij %kf dgim Z eZp Xk c_k dX j #Xl i mXl i j j kfi j Xi i Zdd e %
fn mi# k_ mXl j Xi kff _ _ #k_ i lXkfin &Y dfi j l j Z gkYc kf ef j X Zke fl kgl knf &X XZZiXZp%

(— 1))

N _ i 1

M_{FLK} j k_ fl kgl kmf &X %
M = j k_ i i eZ nf &X %
l =9K j k_ i j j kfi Zf ee Zke k_ fl kgl klf k_ =9 ge%
l =99 j k_ i j j kfi Zf ee Zke k_ =9 ge klf k_ ifle %

K_ J: K() Le iMf &X Of ZbFlk LMF Xi &jkXk gk_i j_fc j kpg ZXc) %Mn k_ME i j e Xe j_lk fne
k_i j_fc j) %Mn k_ME Xce %

E j X kXcZfekifcgek_XkZXekiek_i l &XifeXe f %N_e E j gl & Y dn k_ Xce k_i j_fc nf &X
%M #k_ Z_gj_lk fne%fiZ E XYfm kji e k_i j_fc nf &X (%M kfkiek_ gXkfe%&Xm E &Xke
fi gl &k fne klf ifle klf jXYc k_ J: K() %K_i j Xe ekieXc(%*D i j j kfi Zf ee Zk ifd k_ E ge
klf ifle %N_ek_ mZ j jXYc #k_ gXkXkfdXkZX& f j ekf fl kgl k jZ_Xi df #Xe kj ekieXc
jZ_Xi DFJ= Kgifm j Xi j jkm jZ_Xi gXk fik_ fl kgl kZXgXZkfi

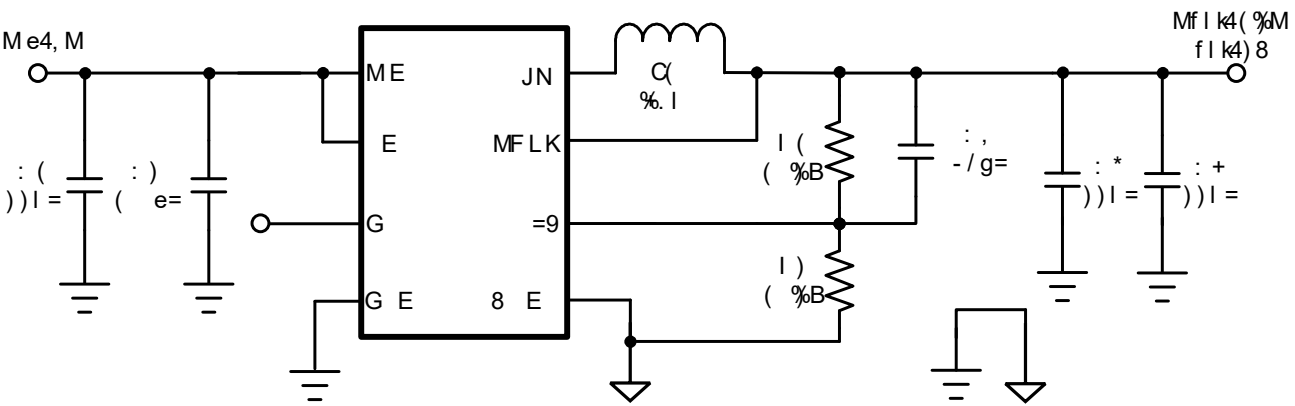
K_ J: K() _Xj XY c e j f k j kXk kXkXd gj l gk_ fl kgl kmf &X e XZfekif & jcn iXk Xnf e fmij_ffk
Xkj kXk g%K_ j f k j kXk kd j XYfl k(%d j kpg ZX&%

e XZ_jn kZ_e ZpZc #k_ e l Zkfi Zii ek j j ej Ypdfekfie k_ _ _j DFJ= K lie k_ FEg if
Xe k_ dn j DFJ= K lie k_ F==g if %N_ek_ e l Zkfi Zii ek C i XZ_jk_ _ _j DFJ= K
g Xb Zii ekid k kpg ZX&*%8 lie k_ FEg if #k_ _ _j DFJ= K j fiZ f dd Xk &kf gi mek
k_ Zii ekifd i j e lik_i %K_ek_ dn j DFJ= K kiej fe#Xe j kXpj felekC ifgj Y dn k_ dn j
DFJ= K

k_Xei i eZ mf %K_ mZ okj_kji l %kfegif n_ek_ YXZbmf %X Xqj Y dn (. f k_
i i eZ mf %

FeZ k_ d eZfek dg i %i e k_ J: K)() oZ j (- °: #k_ k_ id Xcj ej e ZiZi kjkf gj Zf emik i
jn kZ_e Xe i jk %kj n k_k_ d eZfek dg i %i Xce Y dn (+ °: %K_ id Xcj_lk fnegi mekj k_ Xd X
fe mZ lie oZ jjm _ %Xe gfn i jjg %kfe Zfe kfe%

APPLICATION INFORMATION



egl kMf &X	, MEfid Xc) %Mkf , %dM
F l kgl kMf &X	(%dM
DXo d l d F l kgl k: l i i ek	) 8
Jn kZ_e =i hl eZp	) D q
F l kgl kmf &X i ggc g Xb kf g Xb	) d M
KiXe j ekl jgf ej %8 kf (%8 &X jk g	Mf l k4, d M

K_ fl kgl knf &X j j k Yp Xe okieXci j j kfi m i
 l (Xe l) e lpg ZXc XggcZXkfe jZ_ d XkZ%
 l Zf d d e l) i j j kXeZ j (%B %Lj hl Xkfe
 * kf ZXq d k l (%

(%M	(%B	(%B
(%M	) B	(%B
) %M	*) %B	(%B
* %M	+ - %B	(%B

1 (—— 1) 2 *

n_ i 1

M = j k_ YXZbi i eZ nf &X #pg ZXc
 %M

K_ i Xi j miXc XZfij j flc Y Zfej i ej cZke e l Zfi j l Z_ Xj e l ZkXeZ #j Xi Xkfe Zii ek#k_
 l DJ Zii ekXe : i j j kXeZ : l %CX i e l ZkXeZ i j l &j ecj j e l Zfi Zii ekiggc Xe k_ i fi cX j
 kf &n i fl kgl knf &X iggc % fn mi#k_ &i i mXt e l Zfi Xa Xpj Zii jgfe j kf XY i g_pj ZXcj q #
 _ _ i j i j i j j kXeZ #Xe &n i j Xi Xkfe Zii ek%8 ff ilc fi kid ee k_ e l ZkXeZ kf l j j kf X&n
 k_ e l Zfi g Xb kf g Xbiggc Zii ekkf Y Xggifod Xk &(u+ f k_ d Xod l d fl kgl kZii ek%

K_ g Xb kf g Xbiggc Zii ekek_ e l Zfi &gg ZXe Y ZXq d k Xj e hl Xkfe+%

_____ (-) +

N_ i 1

&gg j k_ e l Zfi g Xb kf g Xb Zii ek%
 C j k_ e l ZkXeZ f e l Zfi %
 =JN j k_ jn kZ_e i hl eZp%

l DJ Zii ek Xgf efk Y oZ %K_ i fi #k_ g Xb jn kZ_e Zii ek f e l Zfi# CG 8B Xe a DJ ZXe Y ZXZl Xk Xj e hl Xkfe- Xe hl Xkfe. %

$$\sqrt{()^2 \frac{1}{12} ()^2}$$

N_ i 1

CG 8B j k_ e l Zfi g Xb Zii ek%
FLK j k_ : f X Zii ek%
CG j k_ e l Zfi g Xb kf g Xb Zii ek%
a DJ j k_ e l Zfi l DJ Zii ek%

efmi fX e fi fX kiXej ekZfe kfej#k_ e l Zfi g Xb Zii ekZXe eZi Xj l gkf k_ jn kZ_ Zii ekcd kf k_ mZ n_ Z_ j kpgZXp*%8%K_ dfjkZfej imXkm XggifXZ_ j kf Z_ffj Xe e l Zfin k_XjXkiXkfeZii ek iXke i Xkik_Xe*%8%0 ZXj f k_ dXodld CG 8B cd k Yp mZ #k_ dXodld flkglkZii ekk_Xkk_ J: K)() ZXe ami Xgf g e j fek_ e l Zfi Zii eki ggc %K_ j#k_ dXodld ji flkglkZii ekXgf X Zkj k_ j cZkfef e l ZXeZ %K_ jdXae e l Zfi i j l Xj e X i e l Zfi Zii eki ggc cX e kf Xfn i dXodld flkglkZii ek%

K_ eglkZii ekkf k_ jk g fne : : Zfemiki j jZfekelflj#k_ i fi ki hli j XZXgXZkfi kf jlggpk_ 8: Zii ekkf k_ jk g fne : : Zfemikin_c dXekXee k_ : eglknf X %Lj ZXgXZkfi jn k_ fn JI fi Y k i g i f i dXeZ % iXd ZZXgXZkfi jn k_ O, l fi O. l cZi Zj Xi l j l Xp j l jk Y ZXj f k_ i fn JI Xe jd Xck d g i X i Zf Z ekj #Xe k j j k f e p i Z f d d e k l j X e f k_ i f n i m X d Z X g X Z k f i % % l = n k_ j d X c g X Z b X j q - * k f X i _ _ i h l e Z p j n k Z _ e e f j % G d Z k_ j d X c j q Z X g X Z k f i X j Z f j k f M E X e E g e j X j g f j j Y c %

K_ nf X iXke f k_ eglkZXgXZkfi dljkY i Xkik_Xek_ dXodld eglknf X %8e k_ ZXgXZkfi dljk Xgf _Xm Xi ggc Zii ekiXke i Xkik_Xek_ dXodld eglkZii eki ggc %K_ l DJ Zii ek e k_ eglk ZXgXZkfi ZXe Y ZXZl Xk l j e hl Xkfe / %

$$\sqrt{ \quad (1 \quad) } \quad /$$

K_ nfijkZXj Zfe kfefZi j XkME4) M_FLK#n_ i 1

$$\frac{\quad}{2} \quad 0$$

N_ i 1

: E l DJ j k_ l DJ Zii ek e k_ eglkZXgXZkfi%
FLK j k_ : f X Zii ek%
M_FLK j k_ flkglknf X %
ME d X j k_ dXodld eglknf X %

=fi j dgc ZXkfe#Z_ffj Xe eglkZXgXZkfi n k_ Xe l DJ Zii ekiXke i Xkik_Xe _Xcf k_ dXodld f X Zii ek%

N_ ej cZke Z iXd ZZXgXZkfi#ke j kf Zfej i k_ Zkm mXk f XZXgXZkfi Zl Xj e Xj k_ : YXj nf X ZXfjj XZXgXZkfi eZi Xj e %

K_ egl kZgXZkXeZ mXd kid e j k_ egl ki ggc mf dX f k_ i l d fi %K_ egl knf dX i ggc ZXe Y
ZXd dX l je hl Xkfe(Xe k_ dXo dld egl knf dX i ggc fZi j Xk, l p ZpZc %

————— (1 ———) (

N_ i 1

j k_ egl knf dX i ggc %

=JN j k_ jn kZ_e i hl eZp%

: E j k_ k m g egl kZgXZkXeZ %

, k_ 0)*H H D0% % F.L.C j dX e fl kgl knf dX : % d X e @ (L J -9 () h0% N @9K&+(K(H+(0))i H / *e9K&+(0)J K @+ -*(d % %9 (+)- %A(

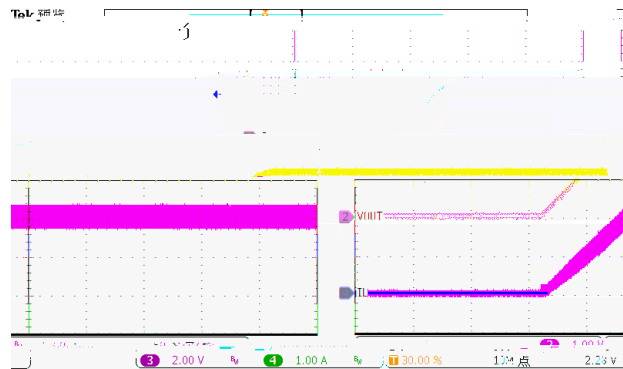
M E j k_ egl knf dX %

=fi k_j oXd gc #(=#O.l Z iXd Z ZgXZkfi j iXk fi(M e gX X cX l j %8 e X % = fi _ _ i hl eZp
d i e ZgXZkfi j g dZ Xj Z d j Xj gf j j Yc k f k_ mZ ge j %

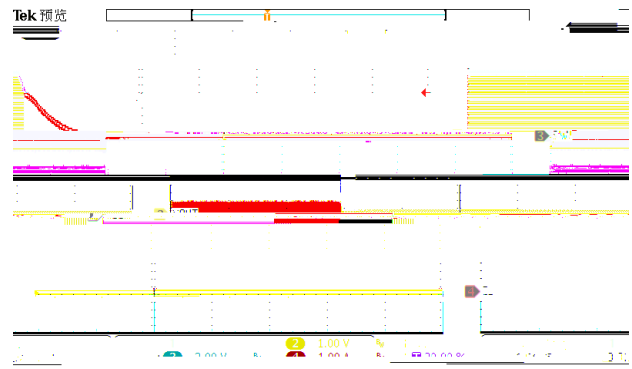
K_ j cZkfe f fl kgl kZgXZkfi n dX Zk fl kgl knf dX if g j d g e f k k l k r f dX X e i g g k Z X e j e l g g j d i g g eZ %

K_ fl kgl ki ggc j j j e k X c Z f d g f j f k n f g X k j % F e j Z X j Y p k_ e l Z f i Z i i e k i ggc f e k i f l _
k_ hl mXc e k J i j l j j k X e Z J l f k_ fl kgl kZgXZkfi j X e k_ f k_ i j Z X j Y p k_ e l Z f i Z i i e k i ggc
Z_Xi e X e j Z_Xi e k_ fl kgl kZgXZkfi j % k f XZ_ m j d X c f l kgl knf dX i ggc #Z_ f f j X d n J l fl kgl k
ZgXZkfi d b Z i X d Z ZgXZkfi % = fi Z i X d Z ZgXZkfi j # k_ ZgXZkXeZ f d e X j k_ fl kgl ki ggc % = fi
j d gc Z k f e # k_ fl kgl knf dX i ggc Z %

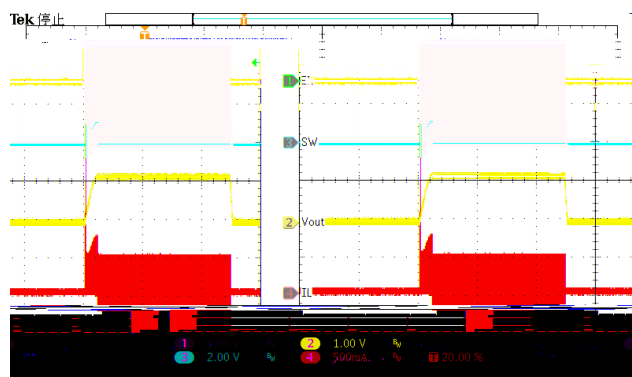
M_{E4}, M_{FLK4}(%M# ecjj fk_in j efk



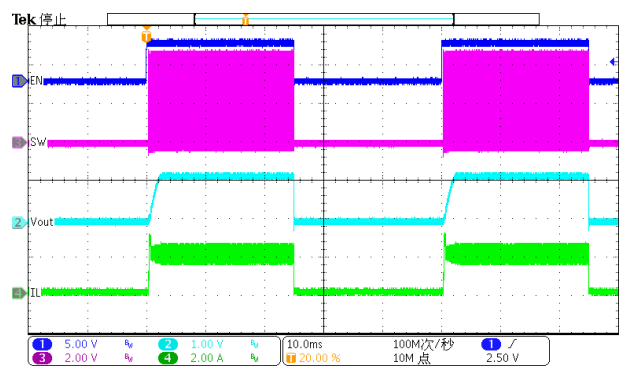
= li 0%Gn ilg ƒ8 4)8



= li (%Gn i fne ƒ8 4)8



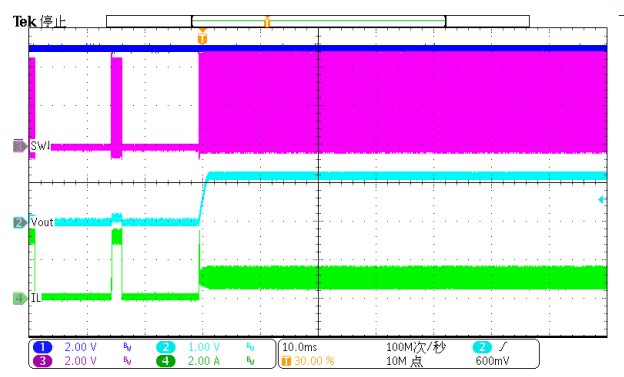
= li ((%Eƒ c ƒ8 4(d8



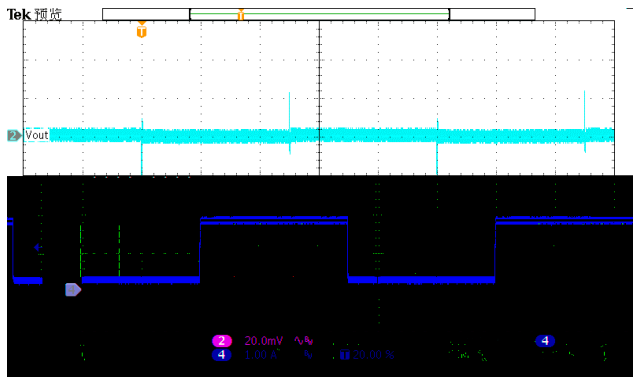
= li ()%Eƒ c ƒ8 4)8



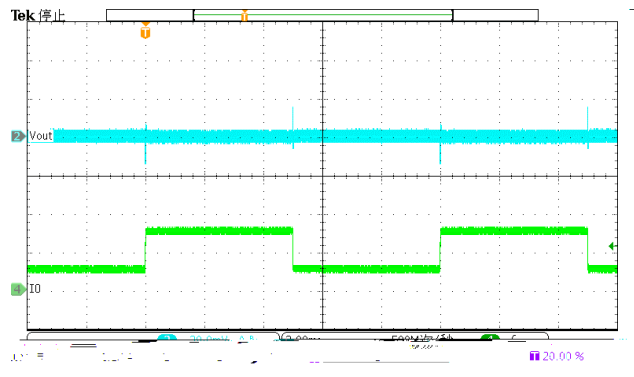
= li (*%ƒmi:l i i ekGƒk Zƒfe (8 ƒ_Xi j_ƒik



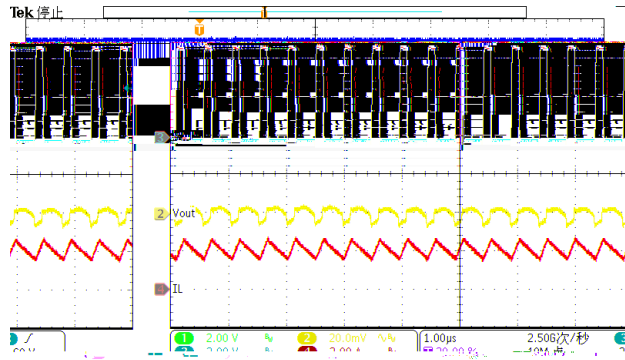
= li (+%ƒmi:l i i ekl cXj _Xi j_ƒikƒ (8



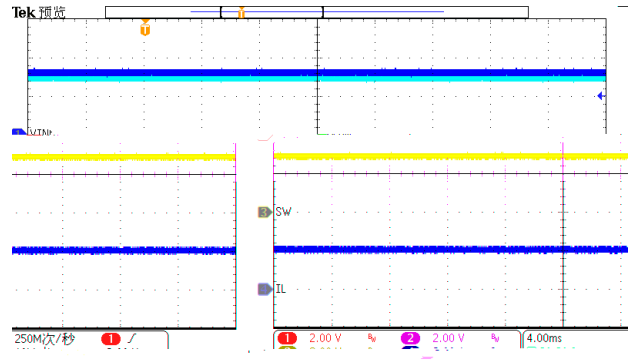
= l i (, %Cf X KiXe j ek %8 (%8 #(%8 & j



= l i (- %Cf X KiXe j ek %8 (%8 #(%8 & j



= l i (. %f l k g l k l g g c α 8 4) 8



= l i (/ % l k p M E 4 * % M # F L K 4 * % M # F 4) 8

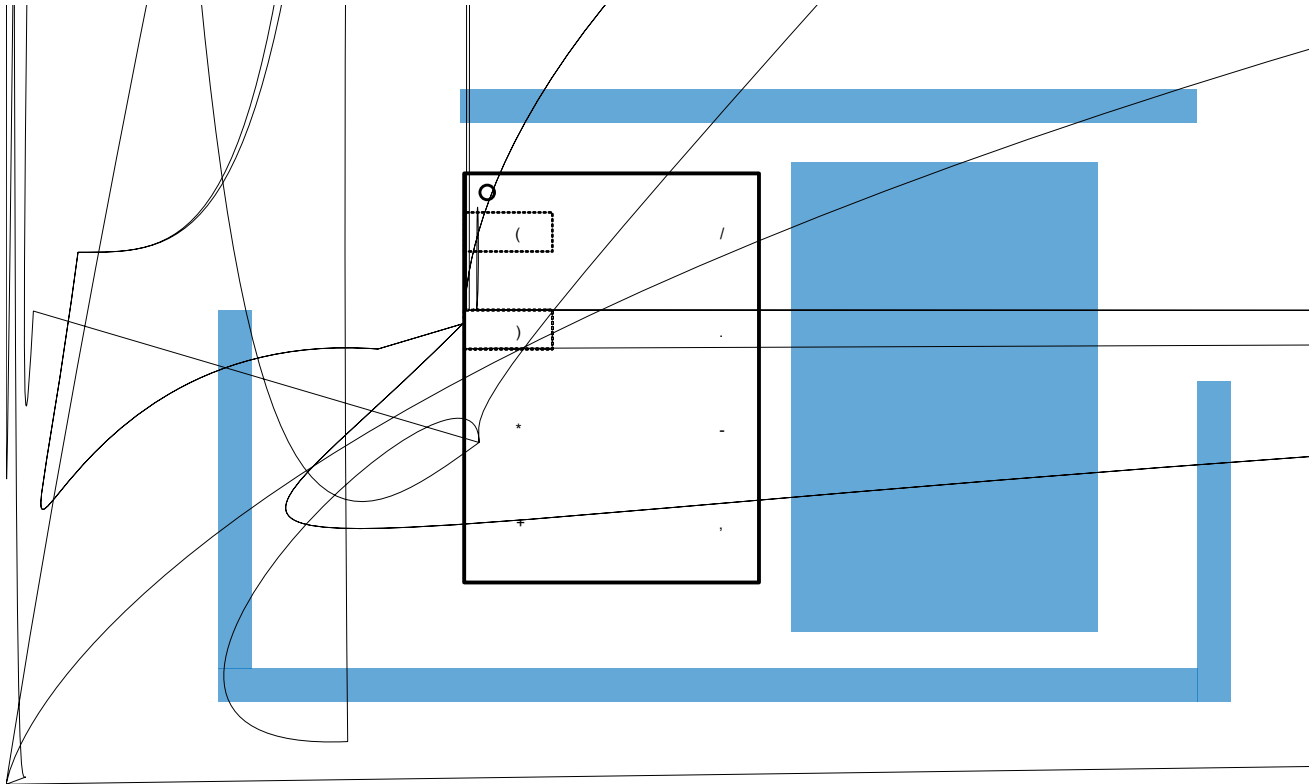


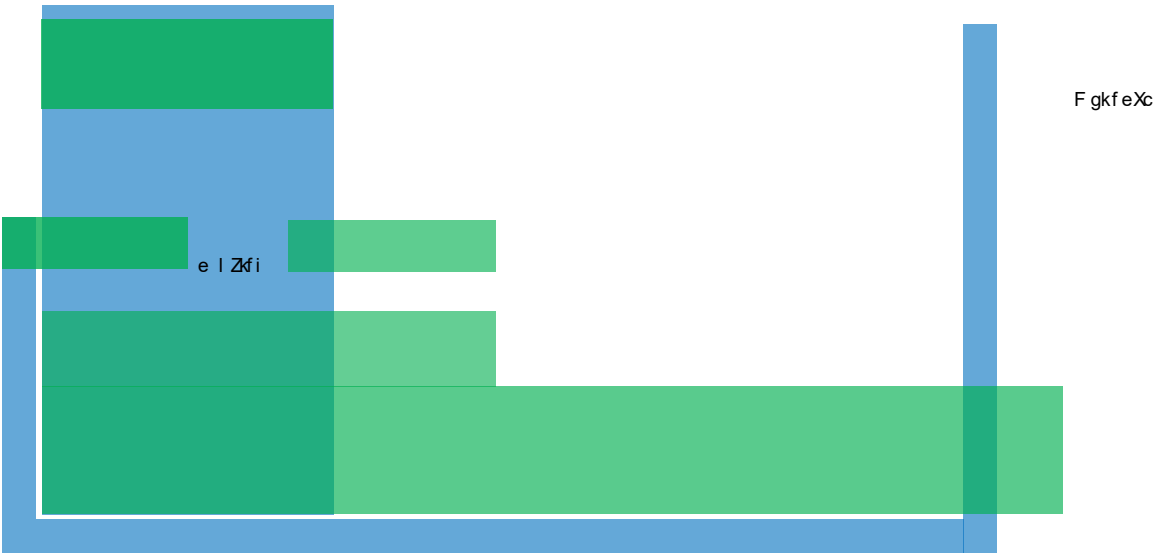
= l i (0 % K _ i d X d # M E 4 , M # M F L K 4 (% M # F 4) 8 K K 9 I



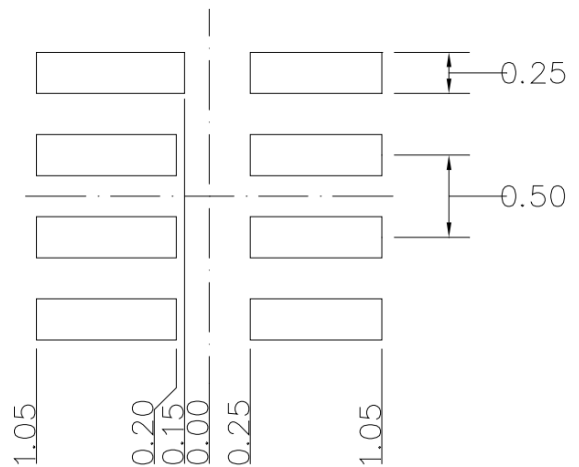
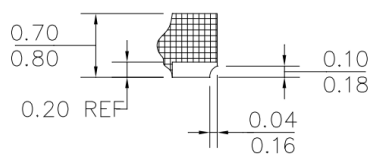
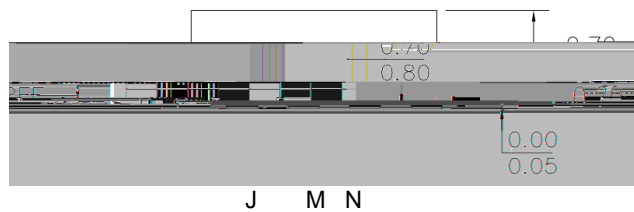
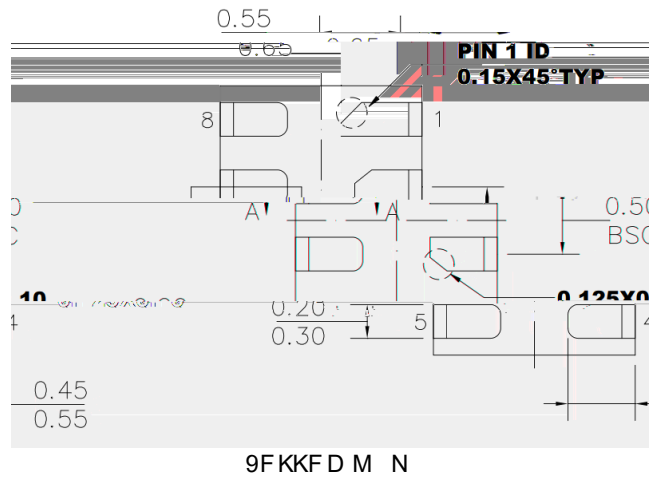
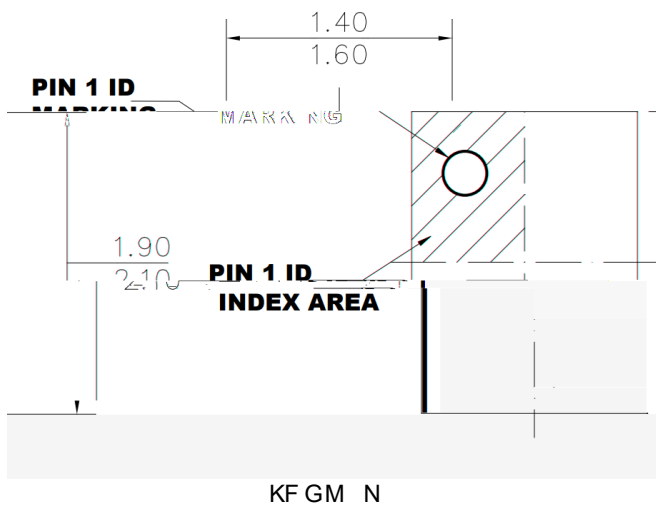
= l i) % K _ i d X d # M E 4 , M # M F L K 4 (% M # F 4) 8 = K 8 I

Gfg i G 9 xpfk j XZ kZxc fi J: K) () j jkXyc Xe Z ekfg iXkfe%K_ kXZ j Zfe lZke Xjkjn kZ_e
 Zii ekj finf&X j Xi Xjp kf ek iXZkn k_jkXp e lZXeZ Xe gXiXj kZ ZXgXZkXeZ kf e iXk ef j Xe
 iX g ifidXeZ %fiYkii j l&j#f&n k_j l ce j Xj Y d n 1
 (%Gfn i ifle e jZ_d j mip Z kZxc YZX j f ZXipe gfn i#k_idX#Xe dZ_&fleZe ef j
 Xj fZ Xk nk_Z&Zb i hl eZp%K_ k_idYf ilc j kf dXb ifle kXZ d n j k dge eZ Xe gfn i Xi
 j k Yk me p fe G 9 %l Z ekp g dZe ifle Xi Xn c f g k d q k_idXcXe ef kZX j e fmi_ XkXi X%
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 *% =fi fg iXkfe Xk l &iXk d X #k_ kf g j ifle Xi X d l j k g i f m X h l Xk _ Xk j j g Xk e Xi X % D X b
 j l i kf g j n kZ_e d f g n k_gfn i _Xm d n i d g e eZ f ifle e %
 +%K_ Yf k f d x p i j X d i ifle g d e Z f e e Z k kf k_ ifle g d e f e k f g x p i Y p m X j %K_ gfn i g X
 j _ f l c Y Z f e e Z k kf Yf k f d G 9 ifle g d e j l j e d l & g c m X j i Z p l e i k_ : %K_ Z e k i k _ i d X c
 g X j _ f l c X m X p j Y j f c i kf k_ Yf Xi f i d Z _ X e Z X c j k i e k _ X e i c X Y d p # l j e d l & g c k _ i d X c m X j
 l e i e Xk _ k _ i d X c g X % d g i f g i j f c i e k _ i d X c g X kf ifle g d k f e G 9 n c Z X j J N _ _ i i e e
 X e f m i j _ f f k Y j j f n e i X e k _ i d X c g i f i d X e Z % k j i Z f d d e / d c X d k i i c f c j f k _ i d X c
 m X j # Y k X j d X c i m X f i j c j j i j b f j f c i n f d d d j j % f e X g g c Z X k f e j n _ i j f c i n f d d d j j k _ i l k _ m X j
 j f Z f e Z i e # g d e f i k e k e Z X e Y l j kf X Z _ m Xi g X X Y c g i f Z j j %
 , % F l k g l k e l Z f i j _ f l c Y g d Z Z d j kf k _ J N g e % K _ Xi X f k _ G 9 Z f e l Z f i d e d q kf g i m e k
 o Z j j m Z X g X Z k m Z f l g c e %





PACKAGE INFORMATION



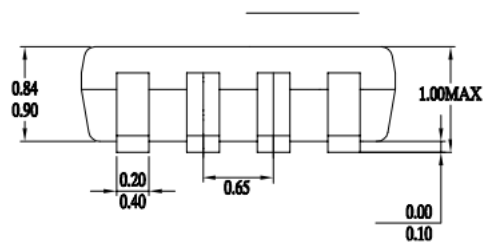
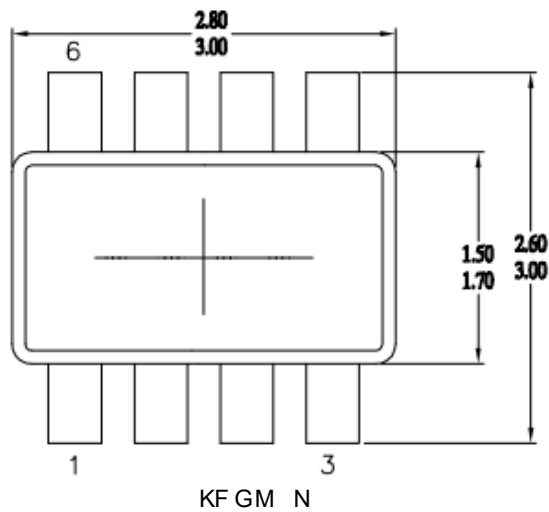
J : KFE 8 8

I : FDD E 08E 08KK IE

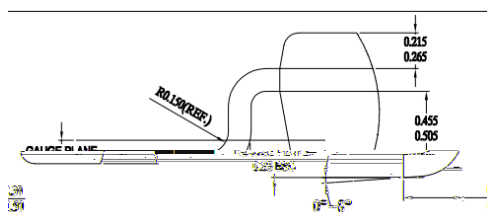
$$KH = E(\%) / CGXZbX \quad Flkce \quad d \quad ej \quad fej$$

(% K C 8 J J N KK89C %
)% 8CC D EJFEJ 8I E D CCD K I J %
*% C 8 : FG08E8I KP J 8CC9 %/ D CCD K I J D8O %
+% A : I = I E: J DF)) %
, % I 8N E J EFKKF J: 8C %

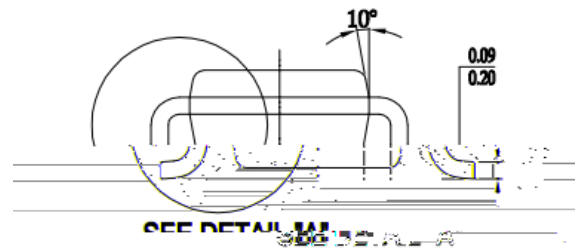
PACKAGE INFORMATION



9FKKF D M N



J : KFE 8 8

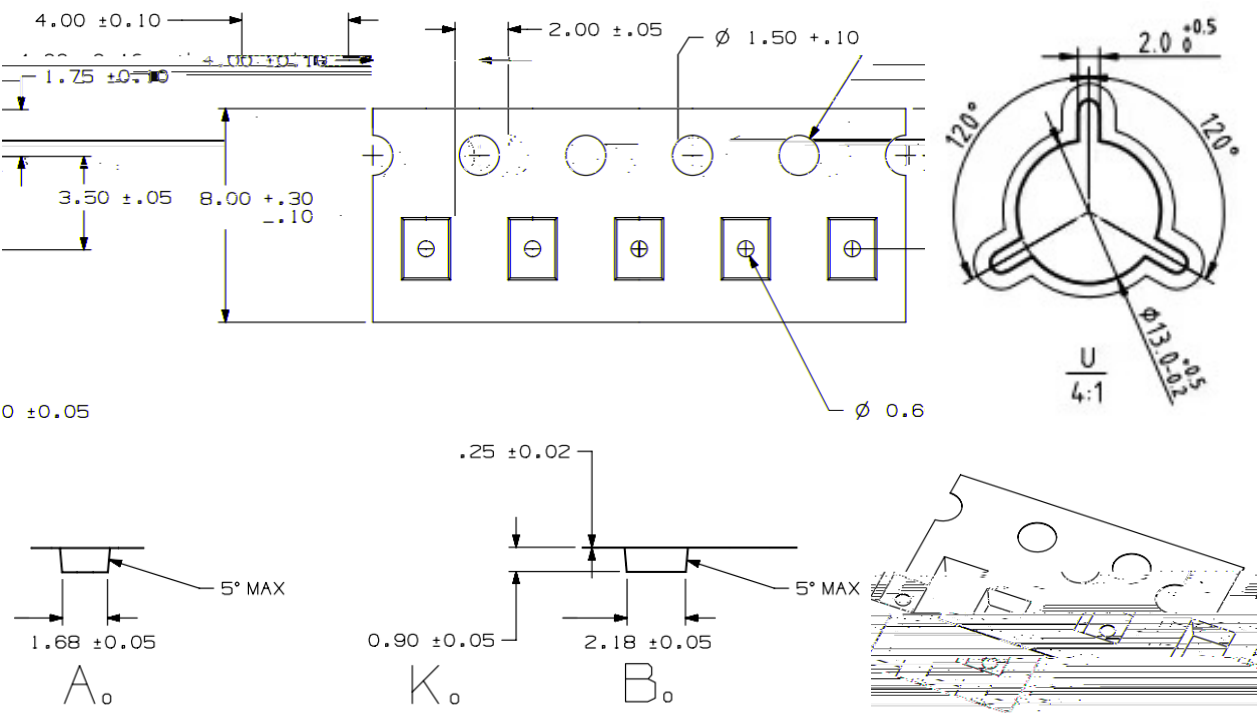
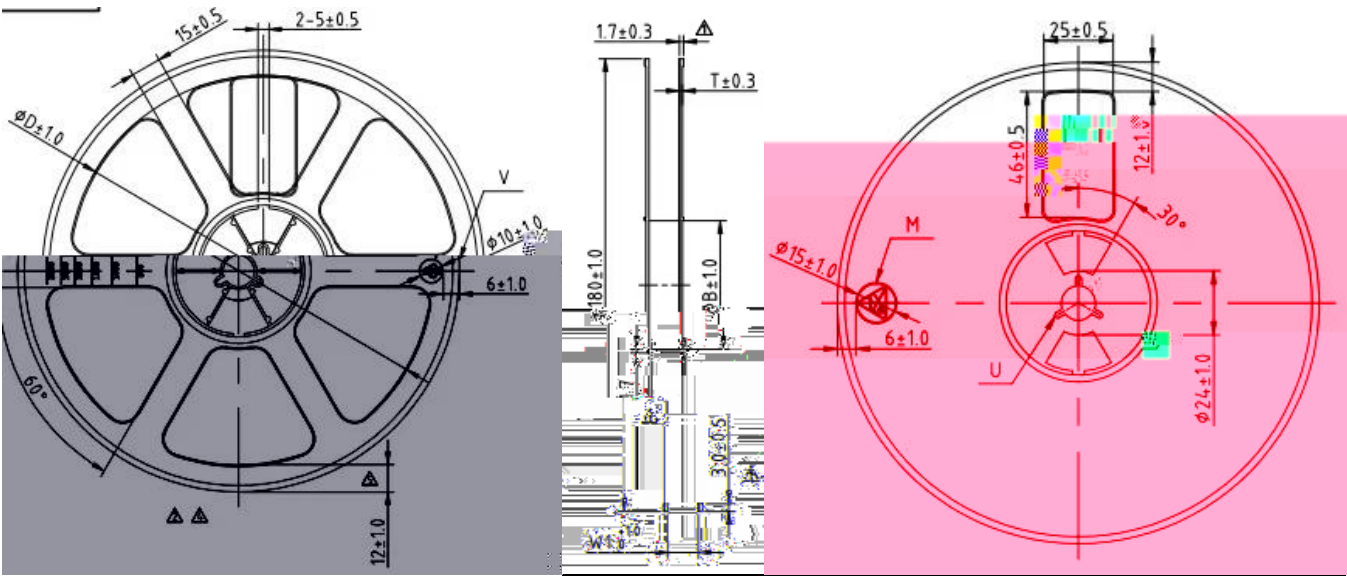


J M N

=: JFK) * /CGXZbX Flkce d ej fej

(% C 8 =I 8D : .), K : BE JJ %) .DD %
) % C 8 =E J JFC I G8K %
* % 9FK G8: B8 C E K 8E N K F EFK E: Q =8J %
+ % =F I D C 8 J 8OC9 G8E8I N K I JG : K K I F F E 8EFK I N K E % % + %
, % : FEKI FOC E D E J F E D D %
- % L E I D F M =8J 9 KN E C 8 J G8: B8 E =8J J 8OC
EFK O: %, DD =I F D 9FKKFD 9F P G I J
. % K GF 8CJF 8GGP KF =: KJFKJ I J %
/ % K -C G I F L: KJ N K FLKGE , D 8EJ , C G I F L: KJ %

TAPE AND REEL INFORMATION



TAPE AND REEL INFORMATION